



NORTHWESTERN UNIVERSITY

One Hundred and Sixteenth Annual

COMMENCEMENT

SATURDAY, JUNE 15, 1974

McGaw Memorial Hall, Evanston, Illinois

THE UNIVERSITY HYMN

Hail to Alma Mater!
We will sing thy praise forever;
All thy sons and daughters
Pledge thee victory and honor.
Alma Mater, praise be thine,
May thy name forever shine!
Hail to Purple! Hail to White!
Hail to thee, Northwestern!

Smoking is permitted only in the outer main floor lobby.



THE PROGRAM

PROCESSIONAL

(Audience will please remain seated for the Student and Faculty Processional.)

THE NATIONAL ANTHEM

(The first stanza)

(Audience will please remain standing until the Invocation has been offered.)

INVOCATION

EDMUND F. PERRY

Professor, History and Literature of Religions

CONFERRING OF HONORARY DEGREES

Citations read by

ROBERT H. STROTZ

President of the University

AWARDING OF DIPLOMAS AND CONFERRING OF DEGREES

JAMES ROSCOE MILLER

Chancellor of the University

DELIVERY OF DIPLOMAS TO DOCTORAL RECIPIENTS

Deans of the Graduate, Medical, Law, Dental, and Music Schools

THE UNIVERSITY HYMN

(Words to the University Hymn are printed inside the front cover.)

BENEDICTION

JAMES E. AVERY

Acting University Chaplain

RECESSIONAL

FACULTY RECESSIONAL *(Graduates and guests will please remain seated.)*

STUDENT RECESSIONAL *(Guests will please remain seated.)*

Parents and guests are respectfully requested to remain in their seats during the entire ceremony. The aisles of the Hall must be kept clear at all times, and those who leave their seats before the close of the ceremony must leave the building immediately through the front lobby.



THE HONORARY DEGREES

ROGER NASH BALDWIN — DOCTOR OF LAWS

Social servant. A.B., Harvard University, 1904; M.A., 1906. Instructor in Sociology, Washington University, 1906-09. Social work in St. Louis, 1909-17. Founder and executive director of the National Civil Liberties Bureau, 1917-20. National executive director of the American Civil Liberties Union, 1920-50. Chairman of ACLU National Committee, 1950-55. ACLU International Work Advisor, 1955—. Part-time member of the law faculty of the University of Puerto Rico, 1966—. Fellow of the American Academy of Arts and Sciences. Author of numerous books and articles.

*Presented by Franklyn S. Haiman, Professor of Communication Studies and
Chairman of the Department, School of Speech*

REED OLIVER HUNT — DOCTOR OF HUMANE LETTERS

Manufacturing executive. Studied at Smith School of Navigation, Seattle, 1923-24; Harvard Advanced Management Program, 1951. Deckhand, purser, mate, and master, various Puget Sound and deep sea vessels, 1916-27. Began as clerk, Crown Zellerbach Corporation, Pulp and Paper Mills, 1927; served in a series of executive capacities, becoming president and chief executive officer, 1959-63; chairman of the board, 1963-69. Member of boards of several businesses, and chairman of President's Commission on Financial Structure and Regulation. Vice-president and director, Crown Zellerbach Foundation.

Presented by Tilden Cummings, Trustee of Northwestern University

DANIEL LIONEL BAZELON — DOCTOR OF LAWS

Judge. Student, University of Illinois, 1928-29; B.S. in Law, Northwestern University, 1931. Admitted to practice of law in Illinois, 1932; private practice until 1935; assistant U.S. attorney Northern Illinois District, 1935-40; senior member, firm of Gottlieb and Schwartz, 1940-46; assistant attorney general 1946-49; judge U. S. Court of Appeals for District of Columbia Circuit, 1949—; chief judge, 1962—. Has lectured on law and psychiatry in law and medical schools in U.S.; chairman, task force on law of President's Panel on Mental Retardation, 1961-62. Served on many advisory councils and committees related to mental health and law. Recipient of Isaac Ray Award of American Psychiatric Association, 1960. Fellow, American Academy of Arts and Sciences; honorary fellow, American Psychiatric Association. Member, American, Federal, and District of Columbia Bar Associations.

Presented by Howard J. Trienens, Trustee of Northwestern University

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

MARGARET WALKER ALEXANDER — DOCTOR OF LITERATURE

Educator and author. B.A., Northwestern University, 1935. M.A., University of Iowa, 1940; Ph.D., 1965. Professor of English, West Virginia State Collegiate Institute, 1942-43; Livingstone College, 1945-46; Jackson (Mississippi) State College, 1949-. National Concert and Artists Lecture Bureau, 1943-48. Director, Institute for the Study of the History, Life and Culture of Black Peoples, Jackson State College, 1968-. Yale Award for Younger Poets, 1942. Rosenwald Fellow, 1944; Ford Fellow, Yale, 1954; Houghton Mifflin Literary Fellow, 1966. Author of *For My People*, 1942; *Jubilee*, 1966.

*Presented by P. Sterling Stuckey, Associate Professor of History,
College of Arts and Sciences*

HAROLD HILLENBRAND — DOCTOR OF SCIENCE

Dentist. D.D.S., B.S.D., Loyola Univeristy, 1930. Private practice of dentistry, Chicago, 1930-45. Associate professor of ethics and social relations, School of Dentistry, Loyola University, 1938-51. Editor of the Journal of the American Dental Association, 1942-45. Chief executive officer of the American Dental Association, 1946-70. He has been honored not only in the United States but also in many nations throughout the world. Author of numerous articles.

*Presented by Clifford H. Miller, Associate Dean and Professor of
Operative Dentistry, Dental School*

JOHN HAROLD JOHNSON — DOCTOR OF HUMANE LETTERS

Publisher and editor. Attended the University of Chicago and Northwestern University. Went to work for the Supreme Life Insurance Company of America in 1936; he is now its chairman and chief executive officer. He is the publisher of the magazines *Black World*, *Ebony*, *Ebony Jr.*, *Black Stars*, and *Jet*. In 1966 he received the Horatio Alger Award, the National Publishers Association's John Russwurm Award, and the NAACP's Spingarn Medal. He is a director of businesses and of the Chicago Association of Commerce and Industry, the National Conference of Christians and Jews, and the United Negro College Fund.

Presented by Raymond W. Mack, Vice-President and Dean of Faculties

NORTHWESTERN UNIVERSITY

WITOLD LUTOSLAWSKI — DOCTOR OF FINE ARTS

Composer. Graduated with diplomas in composition and piano, Warsaw Conservatory, 1936-37. Member, then deputy chairman, International Society of Contemporary Music, 1959-65. Has lectured internationally on contemporary music at conservatories and universities. Member, Swedish Royal Academy of Music. Recipient of numerous artistic awards, including three times the First Prize of the International Rostrum of Composers, UNESCO, Paris, 1959, 1964, 1968; The Koussevitzky International Award, 1964; M. Ravel Prize, 1971. Principal works include *First Symphony* (1947), *Concerto for Orchestra* (1954), *Three Postludes for Orchestra* (1958-60), *String Quartet* (1964), and *Symphony No. 2* (1966-67).

Presented by P. Arrand Parsons, Professor of Theory and Composition, School of Music

MICHAEL TENENBAUM — DOCTOR OF SCIENCE

President, Inland Steel Company. B.S., Metallurgical Engineering, University of Minnesota, 1936; M.S., Metallurgy, 1937; Ph.D., Metallurgy and Physical Chemistry, 1940. Joined Inland Steel in 1940, engaged in research and quality control until 1966; vice-president—research, 1966-68; vice-president—steel manufacturing, 1968-71; president and director, 1971—. Director, Welfare Council of Metropolitan Chicago, 1964-67; Lake County (Indiana) Community Development Committee, 1968-70; Director, Chicago Association of Commerce and Industry, 1971—. Member and officer of numerous professional societies. Author of over fifty technical papers. Member of Northwestern Associates.

Presented by William S. Kerr, Vice-President and Business Manager

GORDON NORTON RAY — DOCTOR OF LITERATURE

Foundation president and educator. A.B., A.M., Indiana University, 1936; A.M., Harvard University, 1938; Ph.D., 1940. Instructor in English, Harvard, 1940-42; professor of English, University of Illinois, 1946-60; vice-president and provost, 1957-60; professor of English, New York University, 1962—. Joined John Simon Guggenheim Memorial Foundation, 1960; president and trustee, 1963—. Advisory council, Smithsonian Institution, 1967—; chairman, 1970—; trustee, Pierpont Morgan Library. United States Navy, 1942-46. Editor of Thackeray's letters (four volumes); author of a three-volume biography of Thackeray and numerous articles.

*Presented by Robert D. Mayo, Professor of English,
College of Arts and Sciences*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

HOWARD KAPNEK SCHACHMAN — DOCTOR OF SCIENCE

Molecular biologist and biochemist. B.S., Chemical Engineering, Massachusetts Institute of Technology, 1939. Ph.D., Physical Chemistry, Princeton University, 1948. Department of Biochemistry, University of California (Berkeley), 1948-69. Chairman, Department of Molecular Biology and Director of Virus Laboratory, 1969-. United States Navy, 1944-47. Member of important scientific panels and committees; editor of scientific journals; member of the American Academy of Arts and Sciences and the National Academy of Sciences.

*Presented by Irving M. Klotz, Morrison Professor of Chemistry and
Biological Sciences, College of Arts and Sciences*

BERENICE JOHANNESSEN MILLER — DOCTOR OF LAWS

First Lady of Northwestern for twenty-five years. A.B., University of Utah, 1927; major in French. Honorary alumna and member of Northwestern University Alumni Association, 1969. Alumni Service Award, 1971. Married J. Roscoe Miller in 1928. Their two daughters and their son are Northwestern graduates. As wife of the chief executive officer of Northwestern, Mrs. Miller has devoted herself generously to many campus and community projects and interests, has been an active member of the University Circle, University Guild, and other organizations, and with Chancellor Miller has played a major role in shaping the development of the University.

Presented by Payson S. Wild, Provost Emeritus

THE DEGREES IN COURSE

The appearance of a name on this list is presumptive evidence of graduation but is not to be regarded as conclusive.

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by DEAN HANNA H. GRAY

BACHELOR OF ARTS

Lawrence Edward Alberti	John Anthony Berry
Larry Charles Alexander	Barbara Jane Berryman
David Erhard Alms	Sally Mercer Beutel
Robert Allan Alter	Jozef Bicerano
Frances Catherine Andriacchi	Bernard Arthur Binder, Jr.
Steven Joseph Anenen	Kimberly Ann Binder
Fred Annes	David Aaron Birnbaum
John Christian Antweiler III	Judith Lynn Biss
Claude William Appel	Jeffrey Vincent Blake
Michael Edward Arrasmith	Barbara Ann Blank
Bryan Morrison Ashbaugh	Dagnija Ruta Blaumanis
Valerie Elaine Asher	Alan Scott Blaustein
Marie Jeanene Asselin	Franklin Blazek
Audrey Jane Augun	Robert Carter Blink
Cheryl Frances Austein	Manfred Stemmer Block
Madelyn Sharon Baer	Kathryn Ellen Block
Patricia Fay Bak	Matthew J. Blum
Donald Alan Balasa	Lewis Stuart Blumenthal
Brian Joseph Balicki	Hugh James Bode
Marcy Judith Barg	Barbara Smithers Bono
John Perry Barker	Thomas Vaughn Boss
Andrew David Barkin	Steven Frederick Bowers
Randy Evan Barnett	Andrew Philip Bralow
Richard George Barrier	Douglas McKinley Brandin
Christine Brainer Bassindale	Lyle Melvin Brands
John Russell Batchelder	Terrence Burton Brauneck
Ingo Mario Bathow	John Sullivan Brennan
Patricia Ann Battle	Bruce Patrick Brett
Nancy Curry Bavor	Claudia Anne Brice
Susan Ann Bawden	Marcia Louise Brinkerhoff
Ira Charles Baxter, Jr.	Alan Jeffrey Brody
William Edward Beatie	Bernard Broussard
Stephanie Joy Beck	Deborah Anne Brown
Catharine Dean Bell	Jeffrey Clayton Brown
Michelle Ann Bené	Mark Alan Brown
John Douglas Benedek	Mark Thomas Brown
Paul Frank Bennett	Mary Bach Brown
William Warren Bennett	Thomas Arthur Brueggemann
Donald Alan Benning	Mary Jane Spencer Bryant
Alan Stuart Berger	Nelson Terence Bryant
Sandra Ann Bergstrand	Gregory Scott Buchanan
Lynn Janet Berman	Mary Helen Bullington
Robert James Bernardoni	David Scott Bunnel
Scott Evan Bernstein	Martin Lynn Burnett

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Nancy Carol Burstein	James Lawrence Dannemiller
Jacqueline Elaine Cohen Byrd	Susan Helen David
Howard Mark Cadel	Hunter Clark Davis
Jerrold William Caldwell	Louis Anthony Davis
Cheryl Hause Calhoun	Douglas Scott Day
Colin Francis Campbell	Yvonne Marie DeCuir
Rose Marie Campbell	Leonard Adam Dedo
Calvin Sylvester Card	Charles Victor DeFuria II
Jan Susan Carp	Joel Lynn Deines
David Michael Carter	Renée Carol Demers
Debra Ann Carter	Robert Denlow
Thomas Carter	Kathleen Ann Dennis
Harry Earl Castleman	Stephanie Ellen Derderian
John Martin Cederroth	Thomas William Deschler
Patricia Helen Char	Richard Campbell Devor, Jr.
Barbara Sue Charone	Albert Stanley Devito
Christopher Charles Chatain	Bruce Harold Dickstein
John Edward Cheney	Carolyn Jeanne Doll
Marla Joanne Chernof	Colin Bruce Donovan
Lisa Marie Chiampou	William Francis Dooley
Charles Mar Chin	Debra Mary Dorfman
Eva Victoria Chomka	Patricia Elizabeth Dorsey
Areta Helen Chreptowsky	Patrick John Doyle, Jr.
Alex C. Christ	Barbara Ann Drumm
Debra Lee Chvatal	Jeff Douglas Drushal
Mary Ellen Cider	Clementina Virgin Durkes
Dane Harvey Cleven	Thomas Stephen Dyer
John Richard Cline	Robert William Dziubla
Paul David Clote	James Harvey Eaton
Gerald Steven Cohen	George Henry Ehemann III
Laura Rochelle Cohen	Lee Elmer Eiden
Michael Seth Cohen	Dean Alan Elias
Bruce William Colburn	Dorothy Kathleen Elligan
Susan Meredith Cole	Marcia Ruth Ellis
Julia Diane Collier	Patricia O'Brien Ensworth
Michael Joseph Collins	Bruce Richard Epstein
Craig Paul Colmar	Mark Jeffrey Epstein
Stephen Lee Combs	Thomas Edward Erffmeyer
Barry Alan Comin	Jerry Arnold Esrig
Jeffrey Perl Coney	Jerome Alan Feldman
Michael David Conner	Maura Beryl Feldman
Jill Allison Conrad	Ray N. Felton
John Frederick Cook	John Michael Felzan
Neil William Cook	Martin Joseph Ferguson
Stephanie Stairs Cooke	Bobbe Lee Ferraiolo
Ann Ingersoll Cooney	Walter Ernest Finkbeiner
John Allen Dicks Cooper, Jr.	Lynn Sandra Fisher
Christopher-Guy Laws Cornish	Richard Gary Fisher
James Robert Couture	Edward Bruce Fliether
Judith Ann Cowen	Robert Lane Fogel
Ronald Lucius Craig	Henry Allen Folb
Suzanne Craigmile	Susan Marie Forrest
Robert Arthur Cramer	Constance Marie Foster
Helen Elizabeth Crampton	Jann Elizabeth Fowler
Richard Allan Crawford	Amy Joan Franklin
Melissa Apcel Crooks	Marta Jane Fraser
Michael John Crowe	Jennifer Anne Freeman
Marilyn Cuniberti	Paul Douglas Freeman
Walter Daniel Cupkovic	Jennifer Christine Friedman
Richard Pearsaul Curren	John Scott Frigo
Michael Gene Czarnik	Gretchen Fuerste
Mary Margaret Dahlberg	Eiko Fukai
Steven Jon Daniels	Sara Brennan Furman

NORTHWESTERN UNIVERSITY

Nancy Leigh Gaitskill
 David Lee Gandell
 Marc Gary
 Michael Bruce Gauer
 David Franklin Giesen
 Maria Gika
 Janice Laurie Gilden
 Michael Jon Gill
 Robert Dana Giosh
 Larry Eugene Glaude
 Andrew Herschel Glassman
 John Edward Glennon
 Gustav Edward Glick
 Sheri Lynn Goldberg
 Jody Lou Goldblatt
 Carole Joyce Goldfeder
 Debra Lee Goldstein
 Marsha Roberta Goldstein
 Robin Ellen Goodkin
 Stephen Mitchell Gorshow
 Jerome Lawrence Gorski
 Gail Juanita Gossett
 Grant Stephen Grayson
 Janet Leslie Grayson
 Mark Louis Greenberg
 Martin Greenberg
 Richard Theodore Greenberg
 Ricky Scott Greenberg
 Joel Lawrence Greenblatt
 John William Greene III
 Joel Marc Greenfield
 Lawrence James Grench
 Gale Frances Griffin
 Norman Roderick Grimes
 David Carroll Grinnell
 David Samuel Gross
 Alberta Anne Grossi
 Alfredo Guevara, Jr.
 Lisa Robbin Grossman
 Timothy Ray Guimond
 Stephen Dennis Guon
 Judith Suzanne Hall
 Donald William Hamaker
 Richard Charles Hamburger
 Betty Jane Hamilton
 Michael William Hamm
 Scott Edward Hansen
 Dwight Francis Hare
 Joseph Harper
 Karen Leibold Harper
 Richard P. Harris
 Jeanne Marie Hayes
 Donna Lette Haywood
 *Wayne Stewart Heater
 Mara Gale Hecht
 Hilda Lenora Henderson
 Marilyn Anne Henderson
 William John Henry
 Dennis Bruce Hershey
 William Michael Hessberg
 David Carl Hewitt
 Charles Edward Heymann

Joan Leslie Hilton
 Gretchen Ann Hirschauer
 Bruce Hirshman
 Gary Carlisle Hitchcock
 John C. Hoffman
 Heide Rachel Holmberg
 Keith Thomas Holmes
 Vicki Vallen Hood
 Donald Lee Hook, Jr.
 John Neal Hoover
 Kathryn Marie Horneck
 Caroline Frances Horstman
 Beth Anita Hotze
 Patricia Kimble Hubley
 Cathy Ann Hughes
 Karen Ann Hummelstein
 Frieda Louise Illion
 Joseph Howell Ingram
 Scott William Irmscher
 Andrew Charles Isaacs
 Susan Mertz Ivancevich
 Paul Alfred Iwanski
 William Douglas Jacobs
 Douglas Alan James
 Janet Louise James
 Rolfe Jaremus
 Janet Marion Jensen
 Cassandra Ellen Johnson
 Martha Ann Johnson
 Sara Elizabeth Johnson
 Elizabeth Logan Johnston
 Kathy Christine Jordan
 Andrew Robert Jove
 Jody Ann Kallis
 James Michael Kammerling
 Barbara Sue Kaplan
 John Albert Karch
 Leslie Fama Keith
 Michael Patrick Kennedy
 Susan Myra Kersten
 Beth Seaverns Kerwin
 Gary Warren Ketter
 Margaret Candace Key
 Stanley Wilson Key
 James Peter Klatsky
 Kathryn Kimura
 Catherine Frances Klein
 Linda Ellen Kleinberg
 Ronald Mark Kniznik
 Jeffrey Arthur Koblisch
 Marcia Lynn Kogan
 Gary Peter Kolb
 Theodore William Konshak
 Joan Holly Koren
 Jill Helaine Krafte
 Elizabeth Kraus
 Scott John Krenz
 Stuart Jay Kretch
 Beth Jacquelyn Krieger
 Richard Van Marter Krotseng
 Donna Marie Kuhn
 Michael Frank Kush

*Degree awarded posthumously. Deceased June 11, 1974.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Gerald Louis Laderman	Lawrence Wayne Miller
Carol Ann Ladner	Margaret Mary Miller
Dianne Kay La Faver	William James Miller, Jr.
Robert Harold Lande	Elliot Matthew Minberg
Janie Glover Lardner	Elizabeth Amy Mintzer
Ashton Robinson Lee	Rena Ann Mishoulam
David Laurence Lee	Jeralyn Elna Mitchell
Donald Paul Lembeck	Thomas Robert Mizen
Diana Sue Lenik	Howard David Mogil
Susan Robin Leon	Amy Flora Monblatt
Alan Scott Lert	Michael Brown Moore
Susan Rose Lessin	Richard John Moore
William Scott Lettow	David Griffith Morgan
Alan Matthew Leventhal	John Patrick Morrison
Arnold William Levine	Kevin Lawrence Morrissey
Barbara Jane Levine	John Edward Morse
Louis Levine	Nancy Moses
William Michael Levine	Stephen Moy
Kerima Marie Lewis	Guy Everett Murphy
Marc Daniel Liang	Stanley S. Nakayama
Nathan Hersh Lichtenstein	Christine J. Narel
Gary Mitchell Lieberman	Arthur Nazarian
Kristina Suzanna Lind	Frederick William Nelson
Peter Duncan Lindsay	Robert Lee Nelson
Maryann Louise Lisica	Jeffrey Milton Netter
Charles Michael Lombard	Gerald Wayne Newman
Linda Jean Lowe	Charles Walter Newton
Neil James Lucchese	Edward Robson Newton
Joel K. Luck	William Louis Nickel
Jeffrey Bruce Lund	Mary Ellen Nissen
Patrick Thomas Macksey	James Paul Noe
John S. Magiera	Jonathan Peter Northrup
Gary Lee Makela	Patricia Ann Noska
David Malitz	James Anthony Novak
Kevin Michael Maloney	Nancy Ruth Novotny
Sheila Kay Maloney	Paula O'Brien
Franklin Lee Mancini	William Edward O'Brien
Guy Warren Mandler	James Edward Ocasek
Stacey Anne Manos	Joyce Catherine Oehler
Sherry Jill Marcus	David Arthur Olson
Carl Theis Marino	Lawrence Eric Olson
Steven Robert Marmurek	Mark Kevin O'Malley
James Michael Maroncelli	Terry Anne O'Neill
George William Masek	Alan Robert Oppenheim
Susan Elizabeth Masters	Roderick Sinclair Ashwood Oram
Jeffrey Douglas Mays	Joan Mary O'Shaughnessy
Anastasia Helen Mazurek	Rollie Joseph Otis
Pamela Ann McCann	Anderson Joseph Owens III
Mary Kay McCaw	Marybeth Owens
Larry McCoy	Laura Virginia Page
Giles McWorth McGill	Kenneth Harmon Palmer
Julia Baird McKay	Melanie Anne Pankow
Barbara Jean McKenzie	Kathryn Rose Pasmantier
James Bruce McLain	Richard Clark Pasque
Mary Meirose-Oppenheim	Larysa Salomea Pawlynsky
Loretta Mears	Robin Joyce Pearson
Robert Wayne Mermer	Marlene Hope Peiser
Lorie Ann Merrick	Stephen Pelletier
Taco Willem Mesdag	Michael Joseph Pellin
Michael Scott Messick	Jill Christine Pelling
Steven Mark Meyers	Arline Sue Peltz
Edward Carl William Miller	George Earl John Petrak
Gail Beth Miller	Jack Steven Pierce

NORTHWESTERN UNIVERSITY

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 Teresa Eve Plank
 Janet Pobereyko
 Waleri Podkowirow
 Marjorie Ann Pollard
 Christine Ann Poon
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 Lawrence Henry Press
 William Patrick Prevas
 Gwendolyn Delora Prioleau
 Michael Russell Privitera, Jr.
 Hannah Prizant
 Patricia Jean Puricelli
 Gregory Lee Quimby
 Sara Cloyd Quinn
 David A. Radloff
 Monte Philip Radler
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 Ira H. Raphaelson
 Kirk Clemon Rascoe
 Robert Frederick Rauch
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 Lawrence Willard Raz
 Deborah Louise Reamer
 Normau Vernon Reichert, Jr.
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 Bonnie Lee Repta
 Demetri James Retson
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 Jodell Roberts
 Carroll Christine Robertson
 Althea Marie Robins
 Scott Ira Rockman
 Janice Maryann Rodick
 Yale David Rodman
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 Otto Benjamin Schoepfle III
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 Thomas Guy Scopelliti
 Catherine Winfield Scott
 Margaret Anne Scott
 Regina Donna Scott
 Kevin Peter Scullion
 David Boyd Sedgwick
 Arthur Floyd Selander
 Thomas Joseph Selby
 Sherrie Adrienne Seliber
 Linda Clare Serafini
 Karen Lee Shalowitz
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 Paul Theodore Sharko
 Catherine Ann Sheanshang
 Kathleen Eddy Sheldon
 Stephen Todd Sherer
 Alan Maynard Shiffer
 Bruce Walter Shoemaker
 Alan Mitchell Shorofsky
 Pamela Lung-Hui Shu
 Deborah Fran Silver
 Michael Alan Silverman
 Clifford Montgomery Simms
 Thea Helene Singer
 Jeffrey David Sinski
 Gayle Harvie Sirkin
 Geoffrey Walworth Sjostrom
 David Alan Skarin
 Jean Ellen Slater
 Janet Deborah Slavin
 Fred Jesse Smith
 Kevin Hughes Smith
 Laura Banks Smith
 Stephanie Suzanne Smith
 Virginia Louise Smollen
 Patricia Kay Soeteber
 Susan Solway
 Lenis Robin Sommer
 Michael John Soper
 Bonnie Jean Sosnowsky
 Demetra Kalliope Soter
 Richard Steven Spear
 David Wayne Spears
 Gary John Spiece
 Ramsey Stade
 Charles Rote Stansbury
 John William Stasevicius
 Edward Roman Stashko
 David Brown Statton

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Margaret Anne Stefucza
 Jan Kristin Stepto
 Ronald Constantine Sterling
 Ernest M. Stewart
 Linda Louise Stoltz
 Virginia Ann Strickland
 Russ Martin Strobel
 Vaughn Douglas Strong
 Daniel L. Stump
 David Allan Suchomel
 Andrew Michael Suhy
 Lawrence Philip Sullivan
 Trudi Marie Suttles
 Suzanne Adele Sutton
 Marcy Mills Swank
 Susan Ellen Swanson
 Peter Bruce Switzer
 Ronald Keith Tambellini
 Nicholas John Tavani, Jr.
 Elizabeth Lynn Taylor
 Robert Joseph Taylor
 Susan Alice Templin
 Robert Preston Tetirick
 Sandra Thomas
 Carl Alan Tibbitts
 Michael Lee Tinaglia
 Mark Bernard Tobolowsky
 Winston Wing Tom
 William Scott Towne
 Phyllis Anne Traver
 Gary Michael Treinkman
 W. Brent Triebel
 Valerie Lynn Tunny
 Victoria Dunham Tuthill
 Jane Ellen Tyler
 Andrea Jean Valentine
 Toni Emma Vallen
 Robert Alfons Van den Bosch
 Paul Simms Van Dolah
 Susan Elizabeth Van Elk
 Pierre Patrick Vaughn
 Jose Agustin Vazquez
 Aloys Hilaire Verheggen
 Janet R. Wanderman
 Jeffrey Charles Wagner

Roberta Sue Walker
 Charles Ernest Wallace
 Henry Alexander Warchall
 Carol Dorothy Warmbold
 Joy Suzanne Wassel
 Ellen Miki Watanabe
 Claudia Mary Waterloo
 David Bennett Watts
 Emerence Mary Wegrzynowski
 Jane Louise Weierbach
 Robert Jon Weingarten
 Carol Ellen Weisman
 Kay Elaine Weisman
 Gene Jay Weiss
 Sheila Faith Weiss
 John Vincent White
 Joseph Karl Whiting
 James Gerard Wiard
 Joseph Lewis Wilkinson
 Alfred Lee Williams, Jr.
 Wayne Crispus Williamson
 Nancy June Wilson
 Yvonne Theresa Wilson
 Theresa Ieane Wirtz
 Carl Leroy Witte
 Julie Margaret Woestehoff
 Myron Mark Wojtowycz
 James Henry Wolf
 Mark Edward Wolinsky
 Carol Anne Wood
 Roger Blaine Wood
 Mary Denise Wright
 Barbara Terry Yashon
 Madeleine Ruth Yerke
 Lester K. C. Yim
 Joan Ellen Young
 Edward Martin Zabrek
 William Clark Zaleski
 Glen Mitchel Zalkin
 Daniel Zawislak
 Karen Marie Zelisko
 James Edward Zellmer
 Sheldon Toby Zenner
 Ronald R. Zolno
 Carol Lynn Zurawski

NORTHWESTERN UNIVERSITY

BACHELOR OF PHILOSOPHY

Mary Jane Brine	Paul Elias Lopez
William Edward Bunton	Helen Margaret MacLeod
Anne Carolyn Canfield	Denise Flynn McGuire
Mary Catherine Davis	John William Mecca
Kathryn Dotska Economou	Chris Mink
Mary Lou Elson	Kenneth Gordon Moore
Joseph Patrick Fealey	John Sheldon Oartel, Jr.
Carol Lee Fishel	Beatrice Pezino O'Connor
Yolanda Haces Flader	Nancy Lee O'Neal
Ann Eleanor Flaherty	Joseph Jay Pernice
Gail Elizabeth Gagler	Elaine Ann Petrucelli
Mary Ambie-Rose Garcia	William Stuart Reid
Henry Glub	Lynn Reno
Irene Gorvitz	Helen Sandra Salomon
Mary Joanne Graham	Joseph Acosta Sanchez
William Frank Grandzielwski	Margaret Trevett Schaffner
Eileen Murphy Gregory	Arthur Edward Schmaltz
Wilma Insley Growney	Isabelle Clara Schmid
Anna Gunn	Matilda Sekulich
Roderick Monroe Gunn	Linda Darden Smith
William Edward Herern, Jr.	Rose Mary Giles Smith
Ernestine Louise Jackson	Rosemarie Augusta Spandau
Barbara Nan Jacobs	Harriet Ernst Tews
David Louis Jacover	Carol Christina Thomas
Linda Sue Jess	Doris Waller
Barbara Joyce Jones	David Edward Walsh
Margaret Ann Jordan	Christopher Richard Wohlt
Robert Francis Kavanaugh	Antonio Ybarra
Karen Sue Koeder	Barbara Ann Young
Julie Ann Kunkler	Barbara Ann Zeiler
Arnold Paul Lachterman	

BACHELOR OF SCIENCE IN GENERAL EDUCATION

Jeff John Frederick Atkinson	John Joseph Holesha, Jr.
Lowrey Cornelius Buchanan	Larry Gene Klotz
Sylvia Sue Chwierut	Donald Henry Luetgert
William Blaine Cummings, Jr.	William Scott Mitchell
William Douglas Dierkes	Robert John Rotramel
Constantine James Flatley	Marion Elizabeth Slaughter
Jay Carrington Gould	James Joseph Smith
Walter Donald Grose	Paul Christian Webb
Robert Walter Hanna III	Walter Albert Zeng
Mildred Kelley Hawthorne	

THE MEDICAL SCHOOL

Candidates presented by DEAN JAMES E. ECKENHOFF

DOCTOR OF MEDICINE

Robert Edward Adelman	Rebecca Ann Knapp
Nathan Gene Alford	Robert Thomas Knight
John James Arrotti	William Eric Kobler
David Howard Austein	Jonathan Mathias Kohl
Robert Walter Baumhefner	William Edward Kolbusz
Clayton Woodward Bavor	Peter Kosolcharoen
James Edward Bourdeau	Bruce Andrew Kotila
Stewart H. Brash	Linda Jean Kresca
C. Michael Buechler	Phillip Edward Lane
James Bannister Burns	Edward David Lanigan
James Evert Byrne	David Lee Lark
Marc Randall Caine	Susan Mae Lark
Manuel Felipe Camacho, Jr.	Jeffrey Orm Leach
Leonard Thaddeus Carr	Elizabeth Liao
Joseph William Chessare	John Robert Lindquist
Linda Louise Church	Gary Stephen Lissner
Eric Paul Conradson	Robert Stephen Ljungquist
Gordon E. Crofoot, Jr.	William Kwong-Wing Lo
Patrick C. Cunningham	John Richard Luderer
Donald Gerard Cvitkovich	James K. McKechnie
Patrick Raphael Daly	Robert David McMillan
Dudley Henry Davis	Michael Carl Meehan
Herman Justus Dick, Jr.	Juliet Sarah Melzer
Michael Dennis Domash	John Randall Mercier
Lawrence Joseph Downs	Rodrigo Merino-Roldán
Martin Bishop Draznin	Charles Robert Meyer
Gerald Richard Dreslinski	Edmund Eugene Miller
Deborah Susan Edge	John William Miller
Arnold Robert Eiser	Michael Lee Alfred Miller
Robert Jason Eliot	Robert Emmett Molloy
David Steven Finbloom	Robert Harry Mortimore
Harrison Jules Louis Frank	Dennis Glenn Motchan
Gary L. Gerschke	Robert Allan Narotzky
John Vincent Gillilan	Robert Alan Natanson
Gerald David Ginsberg	Cole Stanley Northup
James Mathias Gottschall	Cynthia Peska Northup
Samuel Joseph Granieri	Terry DeWayne Oberley
Glenn Page Gravlee	John Charles Olson
Eugene Carl Grochowski	John Claude Pearson
William Edward Grove III	Marshall Edgar Pedersen, Jr.
Stephen Allen Grubb	John Thomas Pendola
Steven Lee Guber	Herbert Wesley Percival
Renee S. Hartz	Cao Van Pham
James Allen Hill	Mark Phillippe
Wayne Lawrence Iverson	Marc Lee Platt
Charles Everett Ives	Patrick Christopher Poon
Steven William Jewell	Geoffrey Rush Priest
Martin Garwood Johnson	Aleta Vivienne Pullins
William Joseph Kaliney	Clare Driggs Purcell
Kerry Joseph Kaplan	Thomas Charles Quinn
David John Katrina	John Michael Raba
Abraham Kern	John Richard Raines
James Allen Kliefoth	Martina Marie Panozzo Rippon
Foster A. Knapp	Robert Joseph Rothstein

NORTHWESTERN UNIVERSITY

Mark Peter Rudow
Thomas Edward Ryan, Jr.
Rudolph Schilli
James Herbert Shull
Morton Mayer Silverman
Milton John Smit
Raymond Stanley Sokolowski, Jr.
Lloyd Eugene Solberg
Steven Barry Sorin
Joseph Mallory Strayhorn, Jr.
Kingman P. Strohl
Richard Douglas Sudmeier

Stanley Russell Sylvester, Jr.
Christopher Wallace Talbot
William Earl Tompkins
Thomas Edward Topper
Robert Greig Trapp
Bonnie Lee Typlin
Paul August Weber
Daniel Anthony Whalen, Jr.
Steven Joel Widzer
Karen S. Wiringa
James Edward Wortman

BACHELOR OF SCIENCE IN MEDICINE

Kathryn Marijoan Andolsek
Adeniyi Eniafe Bakare
Howard Mark Bartman
Judith Paula Brody
William Herman Carter, Jr.
James Elliot Clark
Paul Calvin Collins
Steven Dean Cook
Aileen Lucy Daugherty
Mark Hansen Deierhoi
Carey Dolgin
John Edward Erffmeyer
James Herbert Esther
Bruce Frederick Farber
James R. Fingar
Bruce Stephen Goldenberg
Leslie Carroll Grammer
James Robert Grove
Lynn Elizabeth Hauser
Richard Glenn Jaeger
John Anthony Jerisha
Charles Lee Kalsted
Barry Allan Kogan
Earl Alexander Kubota
Jeffrey Brian Lang
Richard Bruce Lederman
Barry Alan Lerman
Donald Lewis Levin
Yin Min Lim

Frank Shea Liu
Brian Pat Massaro
Carol Ann Meynen
Joseph N. Michelotti
Robert R. Moody
Richard Arthur Moscicki
John Bartholomew Muldowney
John Edward Oppenheimer
Roger Joseph Packer
Mark Stephen Paller
Leslie Arthur Pliskin
Milton Lethan Pressler
Margaret Mary Rasmussen
James Edwin Riley
Steven Terry Rosen
William Howard Rosenberg
Linda Jean Schaffer
Richard Allen Schieber
Jean Harriet Schott
Charles Alexander Scott
Lawrence A. Sheingorn
Mandel Reid Sher
Cynthia Ellen Trumpp
Frank Richard Venezia
Theodore Wang
William Alan Yasnoff
Robert Kenneth Zeman
Barbara Ellen Zipkin
David Nicholas Zull

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Joanne Justice Bradna
Barbara Kay Fondrie

Sherryl Diane Gourson
Ann Mary Zeller

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Laurabeth P. Ausili
Elizabeth Ann Boylan
Jerry Dean Jacobs
Susan Marciniak

Andrew C. Philopoulos
Sally Pochter
Nancy Ann Totosz
Carol Buckles Wilson

THE SCHOOL OF LAW

Candidates presented by DEAN JAMES A. RAHL

MASTER OF LAWS

- Hizkias Assefa, LL.B., Haile Sellassie I University Faculty of Law, 1970.
Gabiella Viale Manzone, Doctor in Jurisprudence, University of Turin Law School, 1969; Certificate in English and Comparative Law, City of London Polytechnic, 1970.
James Pittman, J.D., De Paul University, 1973.
Dennis Arnold Schoville, J.D., IIT/Chicago-Kent School of Law, 1973.
Thomas Michael Strassburg, J.D., Marquette University Law School, 1969; Diploma, The Judge Advocate General's School, U. S. Army, 1969.

JURIS DOCTOR

- | | |
|------------------------------|------------------------------|
| Arthur Rolfe Abelson. | John Ernest Fagan |
| David Seth Acker | Stephen Carl Farmer |
| Robert David Allison | John George Feely II |
| Jay Brent Ayre | Harry Barney Firestone |
| William Scherer Bailey | Kelby Dahmer Fletcher |
| Peter Stark Balkan | Charles Lynn Freed |
| Henry Rigel Barber | John Andrew Garbossa |
| Scott David Baskin | Paula Ann Goodgal |
| Mary-Jeanne Bates | Richard Henry Gordin |
| Jack Milton Beam | Dale Craig Gordon |
| George Frederick Bearup | Raymond Phillip Gordon |
| Theodore Michaelson Becker | Kim Jerome Gottschalk |
| Vincent Henry Beckman III | Lyle Steven Gritchen |
| Leonard Ray Benjamin | Geoffrey Groshong |
| Robert Isidore Berger | Peter Musoke Gukiina |
| Ralph Laurence Berke | Patricia Tronc Habicht |
| Richard John Biondi | Robert John Hackman |
| Barry Steven Bloch | Robert David Hall, Jr. |
| Alan David Blumenthal | Eve Carolyn Harris |
| John David Blumenthal | Richard Kestner Harrod |
| Richard Lamont Bordelon | Gail Durham Hasbrouck |
| William John Bourke III | Robert Bower Heinrich |
| Robert Curtis Bramlette, Jr. | Fabian Doyle Henry |
| Patricia Anne Brandin | Michael Fred Hertz |
| Clinton Bristow, Jr. | Hollis Ruth Hill |
| Charles Richard Brodbeck | James Halleck Hoeland |
| Gladys Norma Bryer | Gregory William Hummel |
| Philip James Butzen | Ralph Hurvitz |
| Gene Eric Carasick | William Richard Jackson, Jr. |
| Harold Chu | Constance Hillock Jacobs |
| Michael Joseph Clement | Robert Earl Kaainoni, Jr. |
| Mark Philip Cohen | Marilyn Kalata |
| Edith Elaine Corlette | David Charles Kemerer |
| Steven Curtis Crane | Mark Steven Kipnis |
| George William Davis | Bernard John Kompare |
| Roger Joseph Dennis | Steven Martin Kowal |
| Martin Lewis Dim | John Anthony Kukankos |
| Stephen Randolph Dolan | Donald Harvey Landes |
| Neil Gerald Dorfman | Robert Gary Leeds |
| Glenn Richard Drury | Lemire Leggette |
| Ed Eugene Duncan. | Barbara Bang Lounsbury |
| | Cary Jay Malkin |

NORTHWESTERN UNIVERSITY

Kenneth Ian Markham
 Sydney Bosworth McDole
 Gary Wayne McFarron
 Arthur James McGivern
 Charles Robert McKirdy
 Mark Tyler McNeilly
 Jack McRay
 Peter Russell Meyers
 Ruth Moscovitch
 Gerald Conway Moton
 Joseph Patrick Mulhern III
 William Francis Murphy
 Leonard Murray
 John Riley Myers
 Thomas Harry Neuckranz
 Christopher David Newman
 John Leonard Northrop, Jr.
 Neil Daniel O'Connor
 Miles Dunn Okumura
 James Elliot Oliff
 Wallace Lee Oliver, Jr.
 James Daniel Otto
 Joseph Francis Owens
 Arnold Anthony Pagniucci
 John Edward Payne
 Andrea Jean Pfeiffer
 Victor Joseph Piekarski
 Samuel Jacob Polsky
 Robert Randolph Price
 Susan Joyce Ptacek
 Tyrone Everett Rand
 Kennedy Park Richardson
 Beryn Roberts
 Mary Helen Robertson
 John Robert Rodman
 Gerald Jack Ronayne
 Michel Rosenfeld
 Gary Scott Saipe
 Kenneth Ray Sechler
 Vincent Sergi
 Calvin William Sharpe

Arnold Bruce Sherman
 Kim Douglas Sherman
 Leonard Alan Sherman
 Joseph Wayne Sheyka
 Warren Edwin Simpson
 Barbara Blath Sinclair
 Charles William Siragusa
 Wrede Howard Smith, Jr.
 Richard George Smolev
 Allen Charles Snyder
 Robert Wolf Solomon
 Harvey Roger Sorensen
 Elizabeth Stein
 Mary Stowell
 William Albert Streff, Jr.
 Kenneth Martin Streit
 Allen Page Stuhr
 Robert Alan Subkowsky
 Curtis Lane Sytsma
 Anne Taylor
 Willaim Hayes Thornton
 Suzanne Kay Torrey
 Eugene Neil Traunfeld
 David Glen Umbaugh
 Drake Van Beek
 Mary Anne Vance
 Lynwood Paul Vanden Bosch
 Stuart Everton Vaughn
 Daniel Walker, Jr.
 Laurie Joseph Wasserman
 Margot Dee Weinberg
 Roy Albert Wentz III
 Joseph Patrick Whalen, Jr.
 David Carroll Wheeler
 Stuart Michael Widman
 Robert Elvin Williams III
 Clarence Sylvester Wilson, Jr.
 Alan Jay Wolf
 Jeffrey Clair Wyant
 Shelley Merle Zoler

THE SCHOOL OF SPEECH

Candidates presented by DEAN ROY V. WOOD

BACHELOR OF SCIENCE IN SPEECH

Jan Ellen Abrams	Phillip Aaron Goldberg
Elizabeth Carol Ames	Marilyn Goldblatt Schulman
John Paul Athanasourelis	Jaelyn Sue Goldfarb
Tom Paul Aufderheide	Charles Patrick Goldstein
Delva Mae Balbridge	Diane Elizabeth Goodrich
Jeffrey Arthur Baron	Dale Lloyd Green
Linda Sue Blackman	Robert Gregory
Kathryn Josephine Blind	Daniel Carter Griffin
Theresa Ann Blum	Linda Lee Gross
Suzanne Carolyn Bowers	Denice Anne Guarino
Stephanie Gayle Bradley	Kathryn Jean Hagen
Judith Ellen Brenner	Lonnie Hampton
Stuart Neil Brotman	Marshall Sherman Hanley
Lee Harvey Brotsker	Holly Ann Harris
Mark Laurence Bryza	Barton Louis Helbling
Carl Kenneth Buesing	Nancy Jo Hentz
Francine Burke	Barry Samuel Herbert
Bradley Graham Burnside	Jane Herman
John Christopher Cardon	Mark Irwin Hirshberg
Elizabeth Page Carey	Mary Eileen Hogan
Joanne Catherine Casey	Christine Rose Imhoff
Carol Alice Champion	Karen Susan Jacob
Mary Ann Childers	Steven Keith Jacobson
Steven Jay Cohen	Michael Molnar Jaye
George Robert Coker	Jacquelyn Ruth Jensen
Betty Louise Collins	Grey Cattell Johnson
Martha Jane Crow	Jacqueline Renée Jones
Keith Stuart Cunningham	Judith Lyn Judson
Joann Rae Finne Dardick	Maeta Kaplan
Ellen Jo Davis	Jeannette Laura Kathe
Kevin William Dawson	David Arthur Katz
Thomas Pyott Day	Elizabeth Kennett
Catherine Celeste Dillon	Mona Kessler
William Rolland Dorer	James Wilson King
Edward Earl Duke II	Lynn Ruth Koolish
Kendra Lee Dunn	Debra Leigh Koziarz
Laureen Therese DuPree	Mark Maurice Krantz
Gerald Joseph Egan	Mary Katherine Kruckemeyer
Cesily Ann Ehrhardt	Candace Mary Kubiak
Janet Carol Elenbogen	Ann Marie Kwas
Robert James Elisberg	Jane Elizabeth Lake
Frederick Robinson Ellis	Roy Stetson Lambertson
Sharon Engel	Marcia Louise Leslie
Ann Phylis Epstein	Linda Jane Levick
Marguerite Mary Farrell	Carrie Lynn Levine
Jessica Sue Fasman	Susan Deborah Levine
Karen Jo Fink	Wendy Hope Nanette Loeff
Albert Lee Fisher	Cynthia Sue Lowery
Douglas Brown Frew	Beth Cynthia Luchner
Nadine Joyce Friedlander	Lynn Ellen Mansbach
Leslie Michele Friedman	Ronald Louis Marmer
Pamela Jane Fries	Doralen Ada Marshall
Pamela Gail Glasser	Jovita Martin
Patti Ellen Glazer	Mindy Paula Mass

NORTHWESTERN UNIVERSITY

Donald Matthews
 Helen Drew McAllister
 Mark Gilbert McCue
 Kathleen McCutcheon
 Grace Josephine McKeaney
 Eileen McMahan
 Bruce Edward McManus
 Deborah Jean McMasters
 Connie Sue Meyer
 Mary Ellen Meyer
 Laura Ann Michaels
 Jan Rita Miller
 Linda Meryl Milosky
 Kent David Milton
 Anita Louise Ming
 Mavis Diane Mitchell
 Julia Ann Molander
 Jack Louis Moline
 Mary Haskins Morehouse
 Debra Alison Moroff
 Cynthia Jane Morse
 Nancy Sue Nelkin
 Jo Nelle Nelson
 Margaret Patricia Nugent
 Barbara Ann Nusser
 Linda Beth Olin
 Nan Dora Omansky
 James Walter Ozog
 Mary Angela Pacifico
 James Claude Page III
 Terry Don Peigh
 Albert Stephen Pieters
 Walter Joseph Podrazik
 Marcus Lloyd Poole
 Martha Howard Pottenger
 Carol Jan Reed Probeck
 Marcia Ruth Proudfoot
 Irvin Max Rabinowitz
 Matthew George Ratkovic
 Susan Ann Reinfrank
 Josephine Diane Richards
 Sheryl Blair Robinson
 Michael Alan Romansky
 Amy Susan Rosenberg
 Mary Ann Ross
 Ann Marie Rost
 Cheri Jean Roush
 Neil Richard Rozensky
 Nancy Ann Rubenstein
 Peter Winston Rudoy

Larry Dean Sachnoff
 Michael Sanders
 Fred William Sanford
 Michael Mario Sapienza
 Judy Ann Saul
 Anne Vickery Sasso
 Debra Ruth Schlamowitz
 Donald George Schoen
 Marilyn Goldblatt Schulman
 Jill Marie Shellabarger
 Janne Ellen Sheridan
 Linda Marjorie Sills
 Robert Howard Smith
 Debra Fae Sokolsky
 Barbara Rose Sommer
 Jamie Lynne Sonnichsen
 Francesca Marie Spinelli
 Allison Brook Spitzer
 Michael David Springer
 Debra Jane Stein
 Christine Alice Strike
 John Matthew Sweeney
 Alexis Mitchell Sytsma
 Susan Dell Szajer
 Elizabeth Teetor
 Jean Ann Theros
 Kathleen Lenore Tharp
 Susan Rose Tick
 Ann Maura Tregilgas
 Michael Scott Varty
 Paul Richard Vershbow
 Suzanne Katherine Voss
 Mary Susan Wadkins
 Patricia Lynne Walker
 Michael Alan Weiskopf
 Linda Robyn Weiss
 Cheryl Ellyn Wexler
 Pamela Jean Whitfield
 John Flawn Williams III
 Jeffrey Theodore Wilson
 Susan Ruth Wilson
 William Rodgers Wilson IV
 Margaret Anne Winters
 Sarah Rose Wolff
 Adrian Burk Wong
 Elizabeth Frances Wood
 Anne Louise Woodland
 James Walter Zalewski
 Liese Ann Zielasko

THE DENTAL SCHOOL

Candidates presented by DEAN NORMAN H. OLSEN

DOCTOR OF DENTAL SURGERY

Gary Ferd Alder	Earl L. Lord
Donald B. Anderson	Barkley Low
Russell B. Anderson	Ronald Paul McClure
Blaine Smith Bateman	Ivan Scott Nielsen
Jan Bruce Beckstrand	Gregory M. O'Connor
Steven John Brill	James Raymond Olson
Jon Pierre Cardinal	Duane K. Orchard
Arnold K. Chernoff	Donald Burt Osberg
Robert P. Christopher	P. Berrett Packer
Dean Bowen Connolly	Choo Park
Neil Richard Cowen	Myron Leroy Powell
James A. Day	Philip W. Rapp
Eugene Charles Decker	Gregory Marc Reich
Alvin L. Delk, Jr.	Stephen L. Ricks
Robert Steven Dolgow	Rodrick David Robinson
Terry Wayne Egert	Richard J. Roots
Walter Douglas Flor	Michael Louis Santucci
Arnold Conrad Frankenberger	John Allen Satterwhite
Sidney H. Friedman	Joel Barry Schilling
Richard A. Fulara	Timothy Alan Schwartz
Stephen Ballard Gail	Michael T. Singer
Lawrence P. Groh	Chester Kemp Smyth
N. Douglas Gulbrandsen	Verlund K. Spencer
Robert Holt Haley	Steven James Steed
John David Hanna	Loren James Steenson
Rulon Eric Hartvigsen	Claude Allan Stewart
Dale Warren Harvey	John H. Stone
John A. Haymore	Rex Ernest Tobler
John D. Hutchinson, Jr.	Richard Tye
Morten Lee Johnson	Randall M. Vitek
Morris I. Kaplan	Yiannis Anastasios Vlahos
Richard C. Kay	Richard Hugh Ward
Donald James Kinasian	Bruce E. Westover
Noel W. Korf	William Mark Wilden
Melvin Wah-Cheuk Lee	Leon Joseph Witkowski

THE SCHOOL OF MUSIC

Candidates presented by DEAN THOMAS W. MILLER

DOCTOR OF MUSIC

- Monty J. Barnard, B.M., American Conservatory of Music, 1961; M.M., American Conservatory of Music, 1965. Voice Performance. Written Projects: Romanzen Aus Magelone, Opus. 33 (Brahms); Concertato to Cantata: A Study of Writing for The Solo Voice in the Early Church Cantatas of Johann Sebastian Bach; A Comparative Study of the Melodies of Gabriel Faure and Claude Debussy.
- Kim Lance Beamon, B.M., Oberlin Conservatory of Music, 1960; M.M., Syracuse University, 1964. Organ Performance. Written Projects: The origin of the hymn Veni Redemptor Gentium; Twentieth Century Czechoslovakian Organ Music and Its Historical Background; Max Reger's Two Organ Sonatas—An Analysis.
- Kenneth Wayne Hopper, B.M., Oklahoma City University, 1966; M.M., Northwestern University, 1967. Voice Performance. Written Projects: A Study of Selected 19th Century Fugues; The Place of Opus thirty-one among Beethoven's Piano Sonatas; A Survey of Bartok's Piano Music Through the Theories of Erno Lenduai.
- Harlan Charles Snow, B.A., Luther College, 1952; M.M., Miami University, 1967. Voice Performance. Written Projects: The Solo Vocal Literature of Joseph Bodin de Boismortier; The Music of Wilhelm Petersen Berger Set to the Poetry of Erik Axel Karlfeldt; Emma Lou Diemer—American Composer.

MASTER OF MUSIC

- James Adam Baird, B.M., University of Illinois, 1972.
 George Edwin Banks, B.M., University of Colorado, 1971.
 Harold Gray Barrier, B.M., East Carolina University, 1973.
 Lynn Robert Berg, B.M., University of Wisconsin (Madison), 1972.
 Cheryl Lynn Boatwright, B.M., Shenandoah Conservatory of Music, 1973.
 Douglas Alan Bovee, B.M.E., University of Oklahoma, 1973.
 Lorraine Smith Brugh, B.M., Northwestern University, 1973.
 Benjamin Wesley Burrell, B.A., Emory University, 1970.
 Diana Lee Conrad, B.M., Drake University, 1971.
 Ralph Joseph Cuervo, B.M., DePaul University, 1967.
 Kurt Robert Dietrich, B.M.E., Lawrence University, 1973.
 Gregory Allen Dyes, B.M.E., Northwestern University, 1972.
 Jonathan Ebersole, B.A., University of Northern Iowa, 1970.
 Franklin James Fahrer, B.A., Northeastern Illinois University, 1971.
 Valetta Jane Fellenbaum, B.M., Oberlin College, 1971.
 Sheran Kristi Fiedler, B.A., Western Washington State College, 1970.
 Brian Paul Franck, B.M., Sherwood Music School, 1973.
 Samuel Benjamin Freeman, Jr., B.M., Jackson State College, 1970.
 Kay Elizabeth Gfeller, B.M., Drake University, 1971.
 James Brookes Gibson, B.M.E., Illinois Wesleyan University, 1968.
 Thomas Daniel Grabowski, B.M., Northwestern University, 1973.
 Victoria Rae Graef, B.M., Indiana University, 1966.
 Myra Cordell Griffith, B.M., Furman University, 1971.
 Cheryl Louise Haack, B.A., University of Iowa, 1972.
 Elsa Gail Hahn, B.M.E., Wittenberg University, 1973.
 Harry Richard Henly, Jr., B.M.E., Ithaca College, 1973.
 Theodore John Heppner, B.M., University of Cincinnati, 1973.
 David Georg Hildner, B.M., Northwestern University, 1973.
 Daniel Richard Hoffner, B.A., Loyola College, 1973.
 Don Hans Horisberger, B.M., Capital University, 1973.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Rebecca Lanier Howard, B.M., Furman University, 1972.
Peggy Jenks, B.M.E., College of Wooster, 1970.
Valerie Dee Johnson, B.M., St. Olaf College, 1973.
Robert Thomas Kopecky, B.M.E., Wisconsin State University, 1970.
Belle Jordan Landrum, B.M.E., Madison College, 1966.
Louis Roland Magor, B.M.E., Northwestern University, 1967.
Pamela Grace Massey, B.M.E., Northwestern University, 1971.
Janis Rae Mattox, B.A., University of Minnesota, 1972.
Beverly Ann McGahey, B.M., Indiana University, 1964.
Linda Ann Nichols, B.M., Ohio State University, 1972.
Val Jeanne Fairlie Phillips, B.A., Iowa State Teachers College, 1945.
Virginia Rutherford Pickard, B.M., Drury College, 1972.
Jo Ann Marie Polley, B.M.E., St. Olaf College, 1973.
Paul Stephen Pribula, B.M.E., Roosevelt University, 1973.
Karen Lee Ragle, B.A., University of Akron, 1972.
Paul Campbell Ridgway, B.M., Northwestern University, 1973.
Bruce Warder Schoonmaker, B.A., Furman University, 1973.
Gail Graham Schoonmaker, B.M., Furman University, 1973.
Donnie Lee Simmons, B.M., University of North Carolina, 1972.
Debra June Smith, B.A., Wellesley College, 1973.
Susan Elaine Smith, B.M., Northwestern University, 1973.
Clarice Cecelia Strauch, B.M., DePaul University, 1967.
Alan Peter Talycnas, B.M., DePaul University, 1971.
Bruce Vandervalk, B.M., American Conservatory of Music, 1971.
Cory Bradford Winter, B.M.E., University of Wisconsin (Madison), 1972.

BACHELOR OF MUSIC

Mary Lee Barnes	Paul Levy
Clarence Alvin Robert Black	William Robert Martin
John Charles Boden	Ralph Metzger
Barbara Lorraine Butler	Brenda Frances Miksitz
David Alan Chickering	Michael Bruce Odland
Ruth Hung Cooperrider	Jessica Louise Paul
Manuel Jaime Cruz	Cathy Elizabeth Roebuck
Melissa Ann Evans	William Nathan Rothstein
Nancy Ellen Evelyn	William Charles Runnstrom
Janet Lee Ferguson	Kenneth Williams Sallenger, Jr.
Richard Robert Hardgrave	Ellen Marie Stanley
Casey Christine Hendler	Ann Todhunter
George Edward Hodgins	Edward Lloyd Turley
Jann Alice Jaffe	Earl Reddish Yowell
Craig Robert Johnson	Richard Russell Webster
Mary Anne Juillerat	John James Woods
Eugenia Irene Krone	

BACHELOR OF MUSIC EDUCATION

Bruce Ray Beyer	Terry Newell Kring
Anthony Dé Shon Boynés	Robert Walter Krueger II
Glenn Russell Dauphin	Michael Melvin Maass
Craig Richard Foster	Christine Audrey Marshall
George Edwin Fowler	Vincent Maurice McCoy
Geraldine Marie Frase	Debra Lynn Myers Morgan
Maryann Fritz	Dan Charles Spalding
Gary Lee Goble	Barbara Elaine Suggs
Scott Gordon Golinkin	Howard T. Weiner
Robert Fetter Hubley	Robert Putt Willig
Ilana Joy Iwens	Pamela Elaine Zeigler

NORTHWESTERN UNIVERSITY

THE GRADUATE SCHOOL
OF MANAGEMENT

Candidates presented by DEAN JOHN A. BARR

MASTER OF MANAGEMENT

Day Program

- Gary Joseph Adamoski, B.S., Purdue University, 1972.
Mark John Aggerbeck, B.A., St. Olaf College, 1972.
Sarah Margaret Allender, B.S.B.A., University of Denver, 1972.
Kenneth Everett Anderson, B.A., Northwestern University, 1970.
Michael Joseph Andrews, B.S., University of Illinois, 1972.
Mamie Virginia Andry, B.A., University of Chicago, 1972.
John Robert Anzels, B.A., Northwestern University, 1972.
José Francisco Arce Taracena, Ingeniero Químico, Universidad Autónoma de México, 1973.
Scott Arquilla, B.S.B.A., Drake University, 1973.
Robert Thomas Artemenko, B.A., Northwestern University, 1972.
Michael Scott Aughnay, B.A., Bowling Green State University, 1970.
Dennis Marc Baer, B.S.B.A., Boston University, 1973.
Samuel Humes Ballam III, B.B.A., University of Miami, 1972.
William Mason Barnes, B.A., Lake Forest College, 1971.
George Jakob Bauer, B.S.M.E., Northwestern University, 1972.
Gregory Serdar Berghorn, B.S.M.E., Northwestern University, 1972.
Robert Chase Bills, B.A., University of California, 1970.
Robert Gordon Binkley, B.B.A., University of Wisconsin, 1973.
Etienne Paul Bouillot, Diplôme, H.E.C., 1972.
James David Bowers, B.A., Southern Methodist University, 1972.
Patrick Anthony Bowers, B.B.A., University of Notre Dame, 1971.
Thomas Dana Brackett, B.S.B.A., Drake University, 1972.
John Lundy Bradley, B.S.B.A., Georgetown University, 1972.
Dennis Creed Brimhall, B.S., Brigham Young University, 1972.
John Bruno Brugioni, Jr., B.A., Northwestern University, 1972.
John Jay Brull, B.S., University of Illinois, 1972.
Jean L. Brunel, Diplôme, H.E.C., 1972.
Janet Frances Buckstein, B.A., Northwestern University, 1972.
Thomas Robert Burgmeier, B.S.I.E., Purdue University, 1972.
Richard Collen Burnes, B.S., Northland College, 1969.
Pol Henri Busquin, M.A., Northwestern University, 1972.
Jeffrey Louis Caghan, B.S. in Bus., Miami University, 1973.
Anthony John Carfang, B.S.B.A., Duquesne University, 1973.
Robert Alan Cern, B.A., Saint Mary's College, 1972.
Stephen Darrow Chubb, B.S., United States Naval Academy, 1965.
Edwin Eugene Clarke, Jr., B.B.A., Texas A&M University, 1971.
William Chambers Cline, B.A., Duke University, 1971.
William Edward Copeland, Jr., B.S., University of Illinois, 1970.
Richard Bruce Crowell, B.S. C.E., University of Massachusetts, 1972.
Douglas Howard Crowther, A.B., Bowdoin College, 1972.
Zahi Georges Daoud, Diplôme, C.A.A.E., Université D'Aix-Marseille, 1972.
Judith Anne Davidson, B.A., Northwestern University, 1971.
Michael Nicholas De Frank, A.B., University of Illinois, 1973.
Alexis Delabre, Diplôme, E.S.S.E.C., 1972.
Homer Hovey Dewey, B.S., University of Illinois, 1969.
Anthony Maurice Di Girolamo, B.S.B.A., Duquesne University, 1973.
Michael Geoffrey Dolan, B.A., Northwestern University, 1971.
Enrique Domenge Gaudry, Diploma de Administración de Empresas, Universidad Anáhuac, 1972.
James Patrick Donahoe, B.B.A., University of Iowa, 1973.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Jason Neil Doskow, B.A., Alfred University, 1970.
 James Neil Doyle, Jr., B.A., Knox College, 1970.
 Steven Scott Dye, B.S., University of Colorado, 1973.
 Maximiliano Echeverría A., Licenciado en Derecho, Universidad Nacional Autónoma, 1972.
 Douglas William Edwards, B.A., Hobart College, 1969.
 Ted Michael Ehrlichman, B.S., Carnegie-Mellon University, 1973.
 Anne Ashton Eldridge, B.A., Duke University, 1973.
 Dale Isaac Ellis, B.S.M.E., Kansas State University, 1972.
 Darryl Jerry Ellis, B.A., Roosevelt University, 1972.
 Robert Marion Emery, B.S.Ch.E., Northwestern University, 1972.
 James Evans, Jr., B.S., University of Illinois, 1973.
 Richard Cooper Ewan III, B.A.B.A., University of Washington, 1972.
 Jeffrey Andrew Fagan, B.S. in Bus., Miami University, 1973.
 Merrill Edward Feldman, B.S., Drexel Institute of Technology, 1972.
 Paul Russel Fine, B.S., University of Illinois, 1972.
 Vincent James Fitzgerald, B.A., St. John Fisher College, 1972.
 Joseph Edward Foley, B.S., University of Illinois, 1973.
 Claude Alain Luc Francois, Ingenieur Civil Chimiste, Université Libre de Bruxelles, 1971.
 Roger Clarke Franz, B.B.A., University of Oregon, 1971.
 Philip Ronald Fulton, B.A., University of Rochester, 1972.
 Thomas Michael Gannon, B.S., University of Wisconsin, 1972.
 Leonard Robert Gargas, B.A., Northwestern University, 1972.
 Maurice Philip Gaudet IV, B.S., Louisiana State University in New Orleans, 1973.
 John Brown Gehlmann, B.S.Ch.E., Lafayette College, 1972.
 James Irvin Geiser, B.A., Lawrence University, 1972.
 Raymond Lange Gellein, Jr., B.A., Denison University, 1969.
 Robert Edwin Gill, B.S. in Bus., Miami University, 1973.
 Garrett Richard Glass, B.A., Northwestern University, 1972.
 Wayne Steve Gogolewski, B.B.A., Loyola University, 1973.
 Manolete Ver Gonzalez, B.S.M.E., Ateneo de Manila University, 1972.
 Steven Gordon, B.S., University of Illinois, 1973.
 David John Gotaas, A.B., Wheaton College, 1972.
 James Murney Green, B.S.B.A., Northwestern University, 1966.
 Stephen Charles Gregory, B.A., Southwestern at Memphis, 1971.
 Robert Pennell Griffiths, B.A., Amherst College, 1972.
 Thomas Llewellyn Griffiths, B.A., Amherst College, 1972.
 Randolph Stuart Gross, B.S. in Bus., Indiana University, 1973.
 Richard Jerome Gudaitis, A.B., Columbia University, 1972.
 Bruce William Haffner, A.B., Ripon College, 1972.
 Donald Leroy Haley, B.S.E.E., Northwestern University, 1972.
 Joel Arthur Hall, B.A., Northwestern University, 1971.
 Drew John Hannah, B.S., Carnegie-Mellon University, 1973.
 Neil David Hansen, B.S., University of Illinois, 1973.
 Richard James Hattan, B.A., Loyola University, 1969.
 Jack Lyle Hauser, Jr., B.S.B.A., Drake University, 1973.
 Lynn Francis Hebel, B.B.A., Notre Dame University, 1973.
 Michael Paul Heffring, B.Comm., University of Calgary, 1972.
 Frederick William Heidtman III, A.B., Cornell University, 1971.
 Robert Georges Héline, Docteur Es-Sciences Economiques, Université de Poitiers, 1963.
 James Edward Hieserman, M.S., Louisiana State University in New Orleans, 1971.
 Robert Scott Hill, B.A., Brown University, 1971.
 James Man-Chang Ho, M.S., Northwestern University, 1972.
 James Bernard Hoesley, B.A., Saint John's University, 1971.
 Martin McKay Hoffer, B.M., Eastman School of Music, 1969.
 Gregory Denham Hogan, B.S., University of Illinois, 1972.
 Larry James Hogan, B.A., Mount Union College, 1972.
 Bruce Dearnley Holcomb, B.A., Vanderbilt University, 1969.
 Carolyn Wood Hooke, A.B., Stanford University, 1972.
 Duane Bruce Hopper, B.A., University of Virginia, 1968.

NORTHWESTERN UNIVERSITY

- Philip Gordon Hubbard, A.B., Wheaton College, 1972.
 Cynthia Ann Huffman, B.A., Northwestern University, 1971.
 Howard Charles Hunt II, B.A., Northwestern University, 1971.
 Ono David Ideh, B.Sc., University of Lagos, 1972.
 Robert Eli Ivancevich, B.A., Wabash College, 1972.
 Byron Reed Jackson, B.S., Brigham Young University, 1972.
 Trevor Nicholas Jacob, M.Com., University of Pretoria, 1972.
 Ronald Henry Jaeger, A.B., Carthage College, 1972.
 John Matthews Jefferson, B.Econ., Monash University (Victoria, Australia), 1970.
 David Page Johnston, B.A., Denison University, 1972.
 Wendell Anthony Kapustiak, B.A., Northwestern University, 1972.
 Louis Carleton Katterhenry, B.A., United States International University, 1972.
 Dennis Leo Kennedy, B. of Gen. Studies, Roosevelt University, 1972.
 Helene Dremel Kiecolt, B.A., College of Wooster, 1970.
 Richard Earl Klemme, B.S., Elmhurst College, 1972.
 William Oliver Kling, B.S. in Bus., Miami University, 1972.
 Leslie Ellen Knowlton, B.A., Southern Illinois University, 1972.
 William Duane Koch, B.S.E.E., Iowa State University, 1972.
 Robert Andrew Kolman, B.S. in Comm., De Paul University, 1973.
 Ernest Jeffrey Konker, B.A., Vanderbilt University, 1970.
 James Koster, A.B., Hope College, 1970.
 Sharon Kay Kress, B.A., Clarke College, 1969.
 Donald Edgar Kruse, B.S.B.A., Valparaiso University, 1972.
 Daniel Joseph Kubasiak, B.A., Xavier University, 1971.
 John Fred Kuhn, B.B.A., Loyola University, 1972.
 Jean-Claude Kujawa, Diplôme, École Supérieure de Commerce et D'Administration
 des Entreprises de Nantes, 1972.
 Joseph Scott Lafferty, Jr., B.A., University of Colorado, 1972.
 Robert Bruce Laird, B.S., Southern Illinois University, 1969.
 Mark Thomas Lambert, B.S. in Bus., Indiana University, 1973.
 Eugene Frank Lannert, Jr., J.D., Northwestern University, 1969.
 Christine J. Laperuto, B.A., Northwestern University, 1972.
 Michael Jay Lawch, B.S.I.E., Northwestern University, 1972.
 Gary Lee Lederer, A.B., Ripon College, 1972.
 Robert Vernon Leggett, B.S.E., Princeton University, 1972.
 Bruce Alan Leslie, B.S. in Bus., Miami University, 1973.
 Jack Alan Lesser, B.B.A., University of Oklahoma, 1973.
 James Bradley Lewis, B.A., University of Pittsburgh, 1972.
 Bruce William Liljegen, B.S.B.A., Northwestern University, 1968.
 Eugene Corey Lipow, B.S., University of Illinois, 1973.
 Geoffrey Keith Locander, B.S., University of Illinois, 1972.
 John Herman Loebel, B.A., University of Wisconsin, 1971.
 Frank Henry Longino, Jr., B.S., Wake Forest University, 1973.
 Kenneth Frank Machacek, B.A., Northwestern University, 1972.
 Pierre Marie Maitre, Diplôme d'Ingenieur, l'Institut Francais du Caoutchouc, 1956.
 David Rudi Malmberg, B.S., University of Illinois, 1973.
 Charles Montgomery McClellan, B.S., University of Illinois, 1973.
 Mark McCord, B.S.E.E., Northwestern University, 1972.
 Charles William McGrath, Jr., A.B., Grinnell College, 1972.
 Timothy John Mehl, B.S., Carnegie-Mellon University, 1973.
 Gary Louis Michalek, A.B., Colgate University, 1970.
 Martin John Mindling, B.S., Northern Illinois University, 1969.
 Stephen George Mitchell, B.A., Northwestern University, 1972.
 Benjamin Barger Morgan, B.A., University of Wisconsin, 1972.
 Trevor Maxwell Morgan, B.S.B.A., Bowling Green State University, 1973.
 Kenji Morozumi, B.Econ., Tokyo Metropolitan University, 1970.
 Kenneth Leo Mulholland, B.S.N., Loyola University, 1969.
 Kazuhiko Murakami, B.Econ., University of Tokyo, 1969.
 Thomas Edward Myers, B.A., DePauw University, 1972.
 Haruo Naito, B.A., Keio University (Tokyo), 1972.
 Kulthon Nakaprom, B.Econ., Thammasat University (Bangkok), 1970.
 Richard Roscoe Nelson, B.S., Brigham Young University, 1973.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Michael Paul Nemlich, B.S., State University of New York (Albany), 1973.
 Dennis Scott Newman, B.A., Miami University, 1972.
 Mark Newton, B.A., North Park College, 1972.
 Mark Earl Nickerson, B.A.B.A., University of Washington, 1972.
 George Sheldon November, B.A., The American University, 1969.
 Jerome Leonard Novotny, B.S., Notre Dame University, 1972.
 Katherine Claire O'Brien, B.S.B.A., Georgetown University, 1972.
 Blaine John O'Connell, B.A., College of the Holy Cross, 1967.
 Elio C. Ohep, Jr., B.B.A., Loyola University (New Orleans), 1973.
 Russell Arthur Olaes, B.A., Franklin and Marshall College, 1968.
 James Goodwyn Oliver, Jr., B.B.A., University of Cincinnati, 1973.
 Thomas Scott Olt, B.S., University of Illinois, 1973.
 Randall Fredric Otte, B.S.B.A., Valparaiso University, 1973.
 Takashi Ozaki, B.Com., Hitotsubashi University (Tokyo), 1967.
 John Paul Pajkos, B.S., Carnegie-Mellon University, 1973.
 Dongwook Park, B.A., Northland College, 1972.
 Robert Lawrence Parrin, B.S.M.E., Purdue University, 1972.
 George Allen Patton, Jr., A.B., Duke University, 1968.
 Bonita Berning Paynter, B.A., Northwestern University, 1972.
 Roger Warren Pelz, B.S.B.A., The Ohio State University, 1973.
 Alan Charles Petersen, B.S.B.A., Valparaiso University, 1972.
 Willard Raymond Phillips, Jr., B.S. in Bus., Miami University, 1973.
 Donald George Pishney, B.S. in Bus., University of Minnesota, 1971.
 Steven Charles Poley, B.S.B.A., Florida Technological University, 1972.
 David James Polge, B.A., University of Notre Dame, 1972.
 Jean Paul Pradal, Diplôme, École Supérieure de Commerce et d'Administration
 des Enterprises de Lyon, 1971.
 Gregory Charles Prusik, A.B., University of Illinois, 1972.
 Peter Frederick Rapp, B.A., Denison University, 1972.
 David Penfound Reddrop, B.S. in Com., De Paul University, 1973.
 Bernard Philippe Rémaut, Diplôme, E.S.C.A.F., (Bordeaux), 1971.
 David Morley Roberts, B.S. in Econ., Bowling Green State University, 1973.
 Monica Faye Rosenberg, B.A., Northwestern University, 1972.
 Robert Rosenthal, B.A., Michigan State University, 1973.
 George Robert Rossi, B.S., University of Illinois, 1973.
 Carlos Ruiz Sacristán, Diploma, Carrera de Administración de Empresas, Universi-
 dad Anáhuac, 1972.
 Jaime Ruiz Sacristán, Diploma, Carrera de Administración de Empresas, Universi-
 dad Anáhuac, 1972.
 John Steven Runge, B.S. in Com., Washington & Lee University, 1973.
 John Christopher Sanders, B.S.B.A., Boston University, 1973.
 James Martin Savage, B.S.I.E., Purdue University, 1972.
 Alan Dale Sax, B.A., Northwestern University, 1972.
 Mark Elton Sceggel, B.S., Wheaton College, 1972.
 William Dee Schaefer, B.S.E., Princeton University, 1972.
 Kevin Charles Schick, B.S.B.A., Marquette University, 1973.
 Robert David Schooler, B.A., Northwestern University, 1970.
 Jay Douglas Schroeder, B.S.I.E., Northwestern University, 1971.
 Richard Leland Schuster, A.B., University of Illinois, 1972.
 Joseph Stephen Secker, B.B.A., University of Notre Dame, 1972.
 Clare Gene Sergy, B.A., Northwestern University, 1972.
 Robert Anthony Serwy, B.S., University of Illinois, 1972.
 James Blaine Shaum, B.A., Cornell College, 1969.
 Lanny Ross Shipley, B.S., Carnegie-Mellon University, 1971.
 Bruce Andrew Shurtz, B.A., University of Notre Dame, 1970.
 Roland Sicard, Diplôme d'Études Économiques Générales, Université de Paris, 1972.
 Frank Skala, B.A., Northwestern University, 1971.
 John Allen Spittell III, A.B., Ripon College, 1972.
 William Charles Steinmetz, B.A., University of California, 1972.
 John Henry Stelter III, B.A., The College of Wooster, 1969.
 Patrick Joseph Storey, B.A., Denison University, 1972.
 Geoffrey Victor Supko, B.A., Brown University, 1972.

NORTHWESTERN UNIVERSITY

Scott McKean Swank, B.A., Denison University, 1972.
 Donald Frederick Swanson, Jr., B.A., Colorado College, 1972.
 Stephen George Sweet, B.E., Vanderbilt University, 1972.
 Robert Satoru Takazawa, Jr., B.B.A., University of Notre Dame, 1973.
 Emilio Angel Tamargo Benavides, Chemical Administrator Engineer, Instituto
 Tecnológico y de Estudios Superiores de Monterrey, 1972.
 Dale Byron Tarantur, B.S.B.A., Drake University, 1973.
 Douglas Taylor, B.A., Brigham Young University, 1972.
 Janice Ellen Teich, B.B.A., The George Washington University, 1973.
 Deborah Elaine Thach, B.A., Beloit College, 1972.
 Charles Bruce Thoele, B.S., California Institute of Technology, 1972.
 Robert Johnson Thomas, Jr., B.A., Lehigh University, 1972.
 William Louis Thorkelson III, B.A., Denison University, 1972.
 Robert Edward Urban, B.S.Ch.E., Purdue University, 1971.
 Heidi Elisabeth Usinger, B.A., University of Wisconsin, 1972.
 Zvi Vinitzky, B.A., University of Haifa, 1972.
 Steven Howard Wagner, B.A., Brown University, 1972.
 Arthur Miles Wein, B.A., Wesleyan University, 1972.
 Leland Berry White, B.A., Southern Methodist University, 1972.
 Thomas Layman Whittenberg, Jr., M.S., Southern Illinois University, 1972.
 Dwight Douglas Wilkes, B.J., University of Missouri, 1972.
 Christina Lee Wilkins, B.A., DePauw University, 1972.
 William Henry Willis, B.S.B.A., The Ohio State University, 1973.
 Stephen Ray Wilson, B.A., Northwestern University, 1970.
 William James Wilson, B.S.C.E., Northwestern University, 1972.
 Richard Earl Wolf, B.S., University of Illinois, 1971.
 Benjamin Wingnin Wong, B.S., Wisconsin State University, 1973.
 Steven Woods, B.A., North Park College, 1972.
 Walter Bruce Wrenn, B.S.B.A., Auburn University, 1973.
 Rodolfo Samuel Young, B.S., Northern Illinois University, 1972.
 Daniel Valentine Zawada, B.A., University of Notre Dame, 1971.
 Thomas Woodrow Zook, B.A., Ohio Wesleyan University, 1972.
 Manuel Zubiría Maqueo, Licenciado en Administración de Empresas, Universidad
 Iberoamericana, 1971.

Evening Program

Jack Ralph Blann, B.S.C., De Paul University, 1970.
 Robert Michael Bracken, B.S.B.A., Georgetown University, 1968.
 Karla Yale Croft, B.S.E.E., Northwestern University, 1970.
 John George Crump, B.S.E.E., University of Illinois, 1971.
 John Joseph Drabik, B.A., Lewis College, 1969.
 Edmond Lee Ellis, B.S., University of Illinois, 1971.
 Bernard James Fagan, Jr., B.S., Loyola University, 1971.
 Robert Edward Freewalt, B.S., University of Illinois, 1971.
 Shirley Kathleen Funk, B.Sc.Chemistry, University of British Columbia, 1968.
 Donald Carl Grenesko, B.A., Northwestern University, 1970.
 Robert William Hansen, B.B.A., University of Wisconsin, 1963.
 Kenneth Neal Hartke, B.S., Iowa State University, 1969.
 Harold Lloyd Helland, B.S., University of Illinois, 1969.
 Dongsoon Kang, L.L.B., Seoul National University, 1964.
 Ephraim H. Kaplan, B.S., City College of New York, 1938.
 Kamal Kishore Khanna, B.Tech., Indian Institute of Technology, 1967; M.S., Uni-
 versity of Cincinnati, 1969.
 Paul Thomas Lovern, B.S.I.E., University of Illinois, 1970.
 Richard Anthony Marra, B.A., Lewis University, 1970.
 David Allen Martinov, B.A., University of Michigan, 1970.
 Gary Edward Midkiff, B.A., University of Chicago, 1968.
 William James Nixon, B.S., University of Toronto, 1959; M.S., Northwestern Uni-
 versity, 1961.
 William S. Novak, B.S., U.S. Naval Academy, 1967.
 David Lowe O'Brien, B.A., Northwestern University, 1970.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Mariann O'Brien, B.A., Northwestern University, 1971.
Robert Alan Peck, B.S.E.E., Marquette University, 1969.
Dennis Lee Peters, B.A., Northwestern University, 1966.
William Michael Piet, B.S.C., De Paul University, 1971.
James Anthony Potsch, B.S.B.A., University of Denver, 1967.
Robert Eugene Rieck, B.S.Ch.E., Purdue University, 1968.
John Stephen Rogers, B.S., University of Illinois, 1969.
Ronald Joseph Rymut, B.S.C.E., University of Illinois, 1969.
Donna Lee Sax, B.A., 1970; M.A., 1971, Northwestern University.
William Fred Scheib, B.S., Elmhurst College, 1967.
James Edwin Scott, Jr., B.S., Northwestern University, 1970.
Michael Joseph Sheridan, B.S., Loyola University, 1967; J.D., De Paul College of Law, 1970.
Gregory Grant Shogren, B.A., Northern Illinois University, 1970.
George Sladoje, B.S., Ohio State University, 1965.
George Greenleaf Slater, B.A., Lawrence University, 1969.
Milton E. Strader, B.S., University of Colorado, 1969.
Willard Lawrence Uber, B.S.B.A., Northwestern University, 1969.
Warren Van Gelderen, Jr., B.A., Wesleyan University, 1970.
Leo David Williams, B.E.E., Marquette University, 1967.
Daniel Wojtowicz, B.B.A., Northwestern University, 1969.

MASTER OF BUSINESS ADMINISTRATION

Day Program

Franklin Siong-Lim Tan, B.Com., McGill University, 1969.

Evening Program

James Kattathara Abraham, B.S., University of Kerala, 1959; B.Ch.E., University of Bombay, 1963; M.S., Worcester Polytech. Inst., 1971.
Robert Kenneth Allen, B.S., Illinois Institute of Technology, 1968.
Robert Jon Anderson, B.M.E., General Motors Institute, 1961.
Craig Warren Arends, B.S., University of Illinois, 1969.
Loren Arno Backhaus, B.S., Iowa State University, 1964.
Weston Eugene Bacon, Jr., B.A., Loras College, 1966.
Arthur James Baker III, B.S., U.S. Naval Academy, 1960.
Richard John Beverley, B.S.I.E., Purdue University, 1968.
Thomas Elof Borgeson, B.S., Northern Illinois University, 1967.
Gary Michael Cokins, I.E./O.R., Cornell University, 1971.
David G. Dearlove, B.Arch., University of Illinois, 1965.
Frank Del Toro, B.S.B.A., Havana Business University, 1962.
William Walter Demlow, B.S., University of Illinois, 1968.
Thomas Arthur Denz, B.A., DePauw University, 1968.
Thomas Allen Douglas, B.S.E., University of Michigan, 1969.
Harold George Downs, B.S., Illinois Institute of Technology, 1957.
Richard John Du Sold, B.B.A., Northwestern University, 1968.
William Robert Elworthy, B.S., University of Illinois, 1965; J.D., Northwestern University, 1968.
Charles Kay Esler, Jr., B.S.E., University of Michigan, 1968.
Glen Hilding Fornell, B.S., Michigan State University, 1960.
Clark Fulton, B.S., University of South Carolina, 1963.
Arthur John Gamba III, B.A., Northwestern University, 1968.
George William Harris, B.S.B.A., Roosevelt University, 1965.
Edmund Bernhardt Hoffmeister, Jr., B.S.M.E., Valparaiso University, 1967.
William Herndon Honaker III, B.A., Northwestern University, 1969.
Noa Woodward Horner, B.A., Northwestern University, 1969.
Ralph Gilbert Horr, B.S.I.M., Purdue University, 1970.
Barbara Rasmussen Howell, B.A., DePauw University, 1963.
James William Hurley, B.S., Southern Illinois University, 1967.
George Kazuo Ichishita, B.S., University of Illinois, 1967.

NORTHWESTERN UNIVERSITY

- Henrietta Eleanor Karbowski, B.S., 1955; M.A., 1957, Central Michigan University.
John Joseph Kokat, B.S., University of Illinois, 1970.
Michael A. Kott, B.S., Quincy College, 1964.
Phillip John Kotz, Sr., B.S., Illinois Institute of Technology, 1969.
Glenn M. Kunishige, B.S.B.A., University of Denver, 1970.
Ronald Walter Lesky, B.S., Loyola University, 1956.
Thomas Bernard Lindgren, B.S., University of Illinois, 1969.
Richard Lee Loftis, B.B.A., Northwestern University, 1965.
Gary Charles McWilliams, B.A., University of Iowa, 1968.
Kayomارش Pervez Mehta, B.E., M.S., University of Baroda, India, 1969.
Tinish R. Mehta, B.E., University of Madras, India, 1968; M.S., Illinois Institute of Technology, 1970.
Robert Eugene Newman, B.S., University of Illinois, 1950.
John Palencar, B.S.B.A., Loyola University, 1968.
Devendra Kumar Pateriya, B.E., University of Jabalpur, India, 1962.
Wayne Eric Pearson, B.S., Northwestern University, 1968.
Nazario Perez Peñas, B.S.E.E., Mapua Institute of Technology, 1959; M.E., University of the Philippines, 1961.
Philip Charles Peterson, B.S., University of Kansas, 1953; L.L.B., 1960, J.D., 1970, Washburn University Law School.
Norman Joseph Poirier, B.A., Northwestern University, 1961.
Robert James Rehula, B.S., 1956, M.A., 1957, Kent State University; Ph.D., Northwestern University, 1960.
Ronald Allan Rossow, B.S., Bradley University, 1968.
Lawrence Allan Schwartz, B.S.M.E., Purdue University, 1962.
Edward Charles Schweiger, B.S.I.E., University of Illinois, 1968.
Jitendra Trikamlal Shah, B.E., M.S. University of Baroda, India, 1965; M.E., Iowa State University, 1969.
Suresh M. Shah, B.M.E., M.S., University of Baroda, India, 1969.
David Neil Smith, B.S., Northwestern University, 1966.
Terence Joseph Stadler, B.S.E.E., University of Illinois, 1969.
John Clarence Starrett, B.A., Northwestern University, 1959.
Charles King Stewart, B.A., Yale University, 1969.
Fred Paul Strobl, Jr., B.S.M.E., Bradley University, 1964.
William Emmor Switzer, B.S., Purdue University, 1960.
Elaine Leng-Siu Tan, B.S., Purdue University, 1970.
James Edmund Thoss, B.S.Ch.E., University of Michigan, 1966.
Kumunchandra Ramanlal Vakil, B.S., M.S., University of Baroda, 1964; M.S., Oklahoma State University, 1965.
Donajean Dominica Vitale, B.A., Michigan State University, 1968.
Eugene J. Wagner, B.S., University of Illinois, 1970.
Gary Richard Wald, B.B.A., University of Wisconsin, 1969.
Robert Raymond Wallace, B.S.B.A., Miami University, Ohio, 1957.
Milan George Weber, Jr., B.B., Western Illinois University, 1969.
Stanley Howard Weed, B.B.A., Northwestern University, 1969.
Stuart S. Weiner, B.S., Northern Illinois University, 1969.
Wayne Gary Willems, B.B., Western Illinois University, 1969.
Andrew Yurksaitis, B.S.C., De Paul University, 1966.
Eugene L. Ziemba, B.S., Illinois Institute of Technology, 1969.

BACHELOR OF BUSINESS ADMINISTRATION

Irving Leo Blackman

THE MEDILL SCHOOL OF JOURNALISM

Candidates presented by DEAN I. W. COLE

MASTER OF SCIENCE IN JOURNALISM

- Gale Morgan Adams, B.S.J., Northwestern University, 1973.
Mack Albert Alexander, B.A., University of Wisconsin, 1970.
Brian Burke Allen, B.S.J., Northwestern University, 1973.
Virginia Hollister Angell, A.B., University of California, 1971.
Frank Alan Anton, A.B., Dartmouth College, 1971.
Peter Applebome, B.A., Duke University, 1971.
Thomas Richard Attanaro, B.A., Denison University, 1973.
Ellen Brooke Bailey, B.A., Northwestern University, 1973.
James Kenneth Baker, B.S., 1971; M.S., 1972, Boston University.
Betsy Barry, B.A., University of Minnesota, 1973.
David Carl Beattie, B.A., Hope College, 1973.
Todd Alan Benz, B.A., Drake University, 1973.
Marjorie Lee Black, B.A., Skidmore College, 1972.
Laurette Ann Blake, B.A., Denison University, 1973.
David Ishmael Blanton, B.A., University of Kentucky, 1972.
Richard Steven Bollinger, B.A., DePauw University, 1973.
Michael Anthony Bowlan, B.A., Arkansas College, 1972.
Paul Brayan, B.S., Northwestern University, 1973.
Robert Paul Broderick, B.A., University of Pennsylvania, 1973.
John Louis Brooklier, B.A., Harvard College, 1973.
Donna Lynn Brooks, B.A., Fisk University, 1973.
Ramon Francisco Casas, B.S.J., Northwestern University, 1973.
David Martin Cassidy, B.A., University of Cincinnati, 1973.
John Louis Ciani, A.B., Brown University, 1973.
George Cieslukiewicz, B.A., Loyola University, 1971.
Richard George Cinquina, B.A., Kenyon College, 1970.
Jay Kent Clotfelter, B.F.A., University of Illinois, 1971.
Jeffrey Peter Cohn, B.A., 1966; M.A., 1972, University of Minnesota.
Denise Eva Baker Coleman, B.A., Yale University, 1973.
Terry Lee Colvin, B.A., University of California, 1973.
Patricia Marie Cook, B.B.A., Adelphi University, 1973.
Julianne Edith Corty, B.A., University of Minnesota, 1973.
Marcia Ann Coyle, A.B., Hood College, 1973.
Marlene Ruth Dale, B.A., Northwestern University, 1973.
Maxine Ava Danowitz, B.A., Syracuse University, 1972.
Andrew Bashaw Davis, A.B., Princeton University, 1970.
Anthony Joseph Davis, B.S.J., Northwestern University, 1973.
Thomas Michael Drogos, B.A., Loyola University, 1969.
David Andrew Dustin, B.A., Hope College, 1973.
Stuart Jay Elliott, B.S.J., Northwestern University, 1973.
Thomas Edwin Erikson, B.S., Portland State University, 1971.
John Thomas Faddoul, A.B., Boston College, 1972.
Michael James Fastert, B.S.J., Northwestern University, 1973.
John Phillip Flanzer, A.B., Kenyon College, 1970; M.A., University of Rochester, 1973.
Patrice Antonia Fletcher, B.A., American University, 1967; M.A., University of Pennsylvania, 1968.
Margaret Catherine Ford, A.B., Connecticut College, 1973.
Mary Rebecca Freeman, B.A., Middle Tennessee State University, 1973.
Robert Thomas Freund, B.A., Loras College, 1971.
Agnes Ann Gallagher, B.A., Washington State University, 1973.
Stephen Eric Gangstead, B.A., St. Olaf College, 1973.
Anthony Raymond Garcia, B.A., Loyola University, 1968; M.A., University of Illinois, 1973.

NORTHWESTERN UNIVERSITY

- Margarita Maria Garcia, B.A., Barat College, 1967.
 Eileen Therese Gentile, B.A., Loyola University, 1973.
 Mary Louise Gorno, B.A., St. Mary's College, 1972.
 Michael Christian Grady, B.A., Coe College, 1967.
 Cynthia Hadleigh Taft Grano, B.S.J., Northwestern University, 1973.
 John Ralph Grano, B.S.J., Northwestern University, 1973.
 Marion Hale, B.A., American University, 1972.
 Jan Ellen Hamill, B.F.A., Southern Methodist University, 1973.
 Deborah Rae Hardin, B.A., University of Denver, 1972.
 Chris Joseph Harper, B.A., University of Nebraska, 1973.
 Hoyt Clark Harris, Jr., B.A., Southwestern University, 1972.
 Robin Sue Marantz Henig, A.B., Cornell University, 1973.
 Jane Linda Horwitz, B.A., Stanford University, 1972.
 Brian Xavier Hurley, B.A., University of Notre Dame, 1973.
 Robert Alan Jacobs, B.A., Northwestern University, 1970.
 Lorel Ann Janzow, B.S.J., Northwestern University, 1973.
 Kent Wisner Jarrell, B.S., Boston University, 1973.
 Yvonne Mendonca Johns, B.A., Smith College, 1961.
 Jeanine Alma Katzel, B.A., 1970; M.A., 1972, University of Wisconsin.
 DeWayne Dale Knudson, B.A., St. Olaf College, 1970.
 Eileen Marie Koontz, B.A., Stanford University, 1973.
 Robert Joseph Kozma, B.A., Fordham University, 1973.
 Keith Robert Kropp, B.S., Northern Illinois University, 1973.
 Marianne Lagerquist, B.A., University of California, 1973.
 Thomas Randolph Lanning, B.A., DePauw University, 1969.
 Diane Carol Larson Lovell, B.A., Denison University, 1973.
 Sylvia Gail Lewis, B.A., Cornell University, 1967; M.A., University of Washington, 1968.
 Sidney Charles Liebenson, B.S.J., Northwestern University, 1973.
 David Joseph Litwack, B.A., Washington University, 1973.
 Steven Chi-Hwa Lo, B.B.A., National Taiwan University, 1972.
 Kerrie Meredith Logan, B.A., Allegheny College, 1973.
 Christopher King Madison, B.A., Northwestern University, 1973.
 Margaret Gladys Maples, B.A., University of Alabama, 1971; M.A., Northwestern University, 1973.
 Larry Jeffrey Marion, B.S., Drexel University, 1972.
 William Jeffrey Marshall, A.B., Princeton University, 1971.
 Maria Francisca Martinez, B.A., Northeastern Illinois University, 1972.
 William Harold McCann, B.S., University of Illinois, 1972.
 Edward Mason McConville, B.A., Middlebury College, 1970.
 Patricia McLaughlin, B.A., Northwestern University, 1973.
 Daniel Meyers, B.A., Brandeis University, 1973.
 Daniel Neil Morris, B.S.J., Northwestern University, 1973.
 Carl Goullaud Mueller, B.A., Kenyon College, 1973.
 Karen Denise Odom, A.B., Brown University, 1973.
 Stephen Edward Okino, B.F.A., University of Cincinnati, 1973.
 Kristin Laura Olsen, B.A., Pitzer College, 1972.
 Lance Norman Olson, B.A., St. Olaf College, 1972.
 William Daniel O'Neill, B.S.J., Northwestern University, 1973.
 Debra Renee Osborne, B.S.J., Northwestern University, 1973.
 Maxine Hope Osdoby, B.A., Queens College, 1973.
 William Henry Parke, B.A., Northwestern University, 1969.
 Robert Anthony Perlman, B.S.J., Boston University, 1973.
 Ralph Wayne Perry, B.A., University of Illinois, 1973.
 Christine Janet Pfeiffer, B.S.J., Northwestern University, 1973.
 Philip Sherwin Pikelný, B.S.J., Northwestern University, 1973.
 Peggy Joy Pilas, B.S., University of Texas, 1972.
 Michael Alan Pollock, B.S.J., Northwestern University, 1971.
 Valerie Jean Ransone, B.A., Temple Buell College, 1971.
 Pamela Christine Schrom Reynolds, B.A., University of Illinois, 1967.
 Judith Marie Fitzsimmons Rice, B.S.J., Ohio University, 1970.
 Brenda Coleen Rigby, B.A., Louisiana State University, 1973.
 Mary Gertrude Sensenbrenner Roselle, B.A., Northwestern University, 1969.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Jack Rotholz, B.A., Brooklyn College, 1973.
Robert Steven Ruby, B.A., Johns Hopkins University, 1973.
Dewitt Russell, B.S.J., California Polytechnic State University, 1973.
Joan Theresa Russo, B.S., Trinity College, 1973.
Lloyd Robert Sachs, B.A., Marietta College, 1972.
David Gregg Savage, A.B., University of North Carolina, 1972.
Bernadette Madeleine Savard, A.B., Georgetown University, 1973.
Louis Francis Saviano, Jr., B.A., Holy Cross College, 1973.
Ann Schlessinger, B.A., University of Texas, 1973.
Nancy Kenny Schriver, B.A., Trinity College, 1969.
Michael Lee Schwanz, B.S.J., Northwestern University, 1973.
Webb Alan Shaw, B.S.J., Northwestern University, 1973.
George Edward Shea, B.A., Salem State College, 1968.
Suzanne Jane Shellenbarger, B.A., Michigan State University, 1972.
Mark Jeffrey Smith, B.A., Muhlenberg College, 1971.
Lynda Mae Solomon, A.B., University of Michigan, 1970.
Cynthia Marcia Stern, B.A., State University of New York at Buffalo, 1972.
Debbie Lynn Stewart, B.A., Baylor University, 1973.
Marilyn Joyce Stone, B.S., Ball State University, 1970.
Steven Robert Strahler, A.B., University of Chicago, 1973.
David Alan Swerdloff, B.A., Brown University, 1970; M.A., SUNY at Stony Brook, 1972.
Shelley Ann Taylor, B.A., Cornell University, 1971.
Donna Helen Triptow, B.A., Bucknell University, 1973.
Carol Beth Tuhy, B.A., University of Dayton, 1970.
Virginia Lee Tyson, B.A., Yale University, 1973.
Catherine Jane Votaw, A.B., Cornell University, 1973.
Karen McNally Wagenknecht, A.B., Manhattanville College, 1971.
Cheryl Ann Walker, B.S., Northwestern University, 1973.
Laura Karen Wallace, B.A., University of California, 1973.
Gayle Ellen Wapole, B.A., Northeastern Illinois University, 1973.
Alan Jay Weiss, B.S.J., Northwestern University, 1973.
Elaine Weiss, B.A., Kirkland College, 1973.
Betty Jo Welborn, A.B., University of North Carolina, 1971.
John David West, B.A., University of British Columbia, 1973.
Bruce Jonathan Wexler, B.A., Washington University, 1973.
George Cooley Whitely, B.A., Lawrence University, 1972.
Charles Gallup Williams, A.B., University of Rochester, 1973.
Raymond Warren Wolf, B.A., University of South Florida, 1973.
Karen Lea Wolfson, B.S.J., Northwestern University, 1973.
Stuart Zanger, B.S.J., Northwestern University, 1973.
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Zile Zuika, B.A., Michigan State University, 1973.

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Kristine Whittemore Engh
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Glenn James Gibisch	Lewis K. Waldman
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James Tilford Elder	Leland A. Phipps
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Scott David Henderson	James R. Shappell
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Linda Dean Jernigan	Bruce I. Terman
Gregory Jerome Jurkovich	Darryl Seth Weiman
Tom C. Krejcie	Paul John Wotowic

THE GRADUATE SCHOOL

Candidates presented by DEAN ROBERT H. BAKER

DOCTOR OF PHILOSOPHY

- Mohamad Ahanchi, B.A., Military Academy (Iran), 1949; M.A., University of Tehran, 1967; M.B.A., Illinois Institute of Technology, 1970. Management. *An Investigation of the Organizational Structure in Military Temporary Organizations.*
- George Aichele, Jr., B.A., University of Illinois, 1965; B.D., Garrett Theological Seminary, 1969. Religion. *Theology and Comic Literature: A Study in the Relation Between Criticism and Art in the Twentieth Century.*
- Charles D. Almo, B.A., Chicago State University, 1963; M.A., University of Chicago, 1970. Education. *The Reactions of Principals to the Effects of Collective Bargaining on the Decision-Making Structure of Public Schools.*
- John Edward Anderson, B.S., Northwestern University, 1969; M.S., 1971. Civil Engineering. *A Model for Evaluating the Response of Buried Circular Concrete Pipe.*
- Atsushi Asano, B.E., University of Tokyo, 1968. Materials Science. *Mossbauer and X-Ray Measurements on Single Crystals of Fe-Mo Alloys—A Study of the Hyperfine Fields and the Local Atomic Order.*
- Robert Allen Bailey, B.S., Northwestern University, 1969; M.S., 1971. Mechanical Engineering. *Optimal Control of Linear Systems with Incomplete State Measurements.*
- Emmanuel Nicholas Barron, B.S., University of Illinois, 1970; M.S., Northwestern University, 1972. Mathematics. *Differential Games with Lipschitz Control Functions and Applications to Games with Partial Differential Equations.*
- Brian R. Betz, B.A., St. Meinrad College, 1955; S.T.B., 1959; M.A., Northwestern University, 1962. Speech. *An Analysis of the Prophetic Character of the Dialectical Rhetoric of Erich Fromm.*

NORTHWESTERN UNIVERSITY

- Ralph John Bishop III, B.A., Cornell University, 1966; M.S., Northwestern University, 1971. Anthropology. *Froebel: The Ethnography of an Urban School*.
- Robert Breen Blair, B.A., Juniata College, 1960; B.D., Bethany Theological Seminary, 1964; M.A., Northwestern University, 1967. Sociology. *Modernization and Sub-Group Formation in a Religious Organization: A Case Study of the Church of the Brethren*.
- Jerry W. Blankenship, B.A., Western Kentucky University, 1965; M.Math, 1970. Industrial Engineering. *BOXSTEP: A New Approach to Lagrangean Decomposition*.
- Paul Norman Bloom, B.S., Lehigh University, 1968; M.B.A., University of Pennsylvania, 1970. Management. *Advertising, Competition, and Public Policy: A Simulation Study of the Competitive Consequences of Putting Government Controls on Advertising Expenditures*.
- William George Boberski, B.S., Purdue University, 1970; M.S., Northwestern University, 1971. Chemistry. *Synthesis and Properties of Permethylyated Polysilanes*.
- Lenore F. Borzak, B.A., University of Chicago, 1959; M.A., Northwestern University, 1965. Speech. *Some Antecedents and Consequences of Group Members' Perceptions of Reciprocal Influence*.
- Alla Renee Bozarth-Campbell, B.S.S., Northwestern University, 1971; M.A., 1972. Speech. *An Incarnational Aesthetic of Interpretation*.
- Alan Stewart Brown, B.A., College of Wooster, 1969; M.S., Northwestern University, 1972. Psychology. *An Examination of Spontaneous Recovery in a Within-List A-B, A-D Design*.
- Heinz Busta, Eq. of B.S., Technische Hochschule (Austria), 1968; M.S., Northwestern University, 1969. Physics. *Uniaxial-Tensile-Stress-Modified Galvanomagnetic Properties of Gray Tin*.
- David Michael Byler, A.B., University of North Carolina, 1968; M.S., Northwestern University, 1969. Chemistry. *The Vibrational Spectroscopy of Antimony Pentafluoride-Sulfur Dioxide (1/1) and Related Acetonitrile Complexes*.
- Joseph Francis Byrnes, B.S., St. Joseph's College, 1969; M.A., Northwestern University, 1972; M.S., 1972. Management. *Union Development in the Chicago Food Distribution Industry, 1900 to 1972*.
- Brenda Bruckner Casey, B.A., University of Kansas, 1961; M.A., University of Illinois, 1962. French. *Elsa Triolet: A Study in Solitude*.
- Shi-Chang Chang, B.S., Taiwan Provincial Cheng-Kung University, 1960; M.S., Oklahoma State University, 1966. Electrical Engineering. *Two Algorithms for Cluster Analysis*.
- Kasem Chantaramungkorn, B.Eng., Chulalongkorn University (Bangkok), 1968; M.Eng., Asian Institute of Technology, 1970; M.S., Northwestern University, 1972. Civil Engineering. *Stress Analyses for Layered Media*.
- Michael James Charley, B.A., DePaul University, 1966; M.S., 1968. Psychiatry. *Self-Esteem and Learning Disabilities—A Cross Sectional Developmental Study of White Middle Class Elementary School Aged Children*.
- Jackson Chung, B.S., Chinese Navy Academy P.G. School, 1959; B.S., Post-Graduate School, 1962; M.S., Polytechnic Institute of Brooklyn, 1969. Electrical Engineering. *On the Design of Modulo Arithmetic Units Based on Cyclic Groups*.
- Richard Roy Clikeman, B.A., Illinois Wesleyan University, 1969. Chemistry. *Preferred Conformations of 3-Substituted Methylene cyclohexanes*.
- Allan Harvey Cohen, B.A., SUNY at Buffalo, 1968; M.S., Northwestern University, 1970. Chemistry. *I. Acceptor Strengths of Some Group IV Lewis Acids by EPR Studies of their Complexes with Aliphatic Nitroxides. II. ¹⁴N and ¹⁷O Hyperfine Interactions in Perturbed Nitroxides*.
- Paul Emmanuel Cohen, B.A., Illinois College, 1967; M.A., University of Maine, 1968. English. *Barrett Wendell: A Study in Harvard Culture*.
- Grafton Jay Conliffe, B.Sc., University of Nebraska, 1961; M.A., Northwestern University, 1965. Spanish. *El teatro de Juan Eugenio Harzenbusch*.
- Patricia Cannon Conran, B.A., Mundelein College, 1957; M.A., McCormick Theological Seminary, 1970. Education. *A Study of Causal and Other Relationships Among Leadership, Teacher, and Student Variables in Curriculum Engineering*.
- Richard Allen Cornell, B.F.A., Ohio University, 1955; M.S., Vanderbilt University, 1961. Speech. *The Effect of Sound Pressure Level and Stimulus Envelope Upon the Supra-Threshold Temporal Integration of Acoustic Power*.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Edwin Joseph Crouse, B.S., Mt. Saint Mary's College, 1966; M.S., Saint John's University, 1968. Biological Sciences. *Isolation and Characterization of EUGLENA GRACILIS Mitochondrial DNA.*
- Michael Allan Crum, B.S., Ball State University, 1964; M.A., University of Tennessee, 1968. Speech. *Effects of Reverberation, Noise and Distance Upon Speech Intelligibility in Small, Classroom Size Acoustic Enclosures.*
- Jennifer Agnes Jackson Culbert, B.A., Oberlin College, 1968. Chemistry. *Dependency on Environmental Redox Potential of Photophosphorylation in RHODOSPHEUDOMONAS SPHEROIDES Chromatophores.*
- Evan Harer Ted Curtis, B.S., University of Arizona, 1964; M.S., Brigham Young University, 1966. Civil Engineering. *The Influence of Temperature and Methyl Mercury Chloride Concentration on the Direct Uptake of Methyl Mercury Chloride from Water in Bluegill Sunfish (Lepomis Macrochirus).*
- John Perry Danforth, B.A., University of California, 1968; M.A., Northwestern University, 1971. Economics. *Individual Labor Market Behavior Under Uncertainty.*
- William Paul Dianis, B.S., University of Denver, 1969. Chemistry. *X-Ray Photoelectron Spectroscopy. Part One: The Application of Numerical Methods to the Analysis of Digitized Photoelectron Spectra; Part Two: External Standards: A Comparison of Gold, Carbon and Molybdenum Trioxide; Part Three: Studies of Adsorption Phenomena.*
- Lynn Phyllis Dieter, B.S., Loyola University, 1968; M.A., Northwestern University, 1969. Education. *The Use of the Delphi Technique in Setting Goals and Objectives for a Secondary School English Program.*
- Richard A. Domanik, B.A., Ripon College, 1968. Chemistry. *Physical and Chemical Studies of the Fibrin Stabilizing Factor System of Blood Plasma.*
- Jeff Richardson Donaldson, B.S., Arkansas A.M.&N. College, 1954; M.S., Illinois Institute of Technology, 1963. Art History. *Generation "306"—Harlem, New York.*
- Nancy Casey Dunigan, A.B., Greensboro College, 1949; M.M., University of Tennessee, 1963. Education. *Factors Related to Success and Failure of Transfer and Native Students in Mathematics Courses in the University of Southern Mississippi.*
- James A. Dunlevy, B.A., Lehigh University, 1964; M.A., Northwestern University, 1966. Economics. *An Econometric Study of the Short-Run Behavior of United States Exports: A Simultaneous Equations Approach.*
- John Bullard Ray Dunn, B.S., Tulane University, 1969. Chemistry. *Structural Investigations of the Active Site of Hemerythrin.*
- Rosalind Jean Dworkin, B.S., SUNY at Oneonta, 1962; M.A., Northwestern University, 1966. Sociology. *The Female-American: Social Structure, Awareness and Ideology.*
- Mahjoub M. El Nimeiri, B.S., Khartoum University, 1963; M.S., London University, 1966. Civil Engineering. *Stability and Large Deformation for Thin-Walled Curved Girders.*
- Shu-Jin Fang, B.S., National Taiwan University, 1965; M.S., Lehigh University, 1968; M.S., Northwestern University, 1969. Theoretical and Applied Mechanics. *An Analytical and Experimental Investigation of Wave-Induced Stresses at a Circular Inhomogeneity.*
- Marianne Fearn, B.A., University of Colorado, 1959; M.A., Northwestern University, 1971. Speech. *Modern Drama of Africa: Form and Content/A Study of Four Playwrights.*
- Marvin Warren Feinberg, B.S., University of Wisconsin, 1965; M.A., Northeastern Illinois University, 1969. Education. *An Analysis of Guidelines for In-Service Teacher Education Practices in Selected Schools Grades 5 - 9.*
- Joann Carol Fenton, B.A., Northwestern University, 1959; M.A., 1967. Anthropology. *A Cultural Analysis of Navajo Family and Clan.*
- Lilia Fernandez, Eq. of B.A., University of Havana, 1956; M.A., Loyola University, 1966. Spanish. *El mundo Poetico de los Uhrbach.*
- Judith Safran Flaxman, B.A., City College of C.U.N.Y., 1969; M.A., Northwestern University, 1971. Psychology. *Gradual and Abrupt Quitting Strategies and a Successful Self-Control Technique for Smoking Modification.*
- Phillis Trapani Fox, B.A., University of Chicago, 1966; M.A., Northwestern University, 1969. Sociology. *Technology, Job Title and the Experience of Work.*

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- Pedro Ignacio Garcia, B.S., Cornell University, 1967; M.S., Northwestern University, 1971. Physiology. *Arginine Vasopressin-Sensitive Adenylyl Cyclase in Bovine Renal Medullary Tissue Homogenates: The Role of Free Magnesium Cations and the Activation Energy During Basal Hormonal and Fluoride Stimulation.*
- Ronald Benjamin Gerut, B.A., Northwestern University, 1965; M.Ed., National College of Education, 1967. Education. *The Current Status and Future Trend Probabilities of Selected Instructional Resources at Northwestern University.*
- Lois Hansen Godiksen, B.A., Northwestern University, 1965; M.A., 1967. Sociology. *Modernizing Afganistan: A Symbolic Interactionist Approach.*
- Predrag Golubovski, B.S., University of Belgrade, 1961. Materials Science. *Mechanical Properties of Ni-Ti Composite Structures.*
- Mirza L. Gonzalez, B.Ed., Havana University, 1960; M.A., Loyola University, 1965. Spanish. *La novela y el cuento psicologicos de Miguel de Carrion.*
- Stefan Cornelius Goodwin, A.B., Tennessee State University, 1960; M.A., New York University, 1964; M.A., Northwestern University, 1972. Anthropology. *Time-Allocation and Urban Adjustment: A Maltese Case Study.*
- Michael Edward Graham, B.S., University of California, 1966; M.S., Northwestern University, 1970. Materials Science. *Precipitation Strengthening of A Gold 4 at.% Titanium Alloy.*
- David Green, A.B., University of Pennsylvania, 1956; M.D., Jefferson Medical College, 1960. Biochemistry. *The Relationship of Factor VIII to the Von Willebrand Factor.*
- Douglas Donald Gregory, B.A., University of Rhode Island, 1969; M.S., Northwestern University, 1971. Management. *A Decision-Theoretic Model of External Financing of Hospital Efficiency Projects.*
- Linda M. Graver Greifenstein, B.A., St. Xavier College, 1969. Chemistry. *Part I. Stereochemical Dependence of the Chemical Shift Isotope Effect; Part II. The Cope Rearrangement in Bridged Homotropilidenes; Part III. Conformational Preferences of a Series of 1,3-Disubstituted Butadienes.*
- Timothy James Gura, B.S., Northwestern University, 1969; M.A., University of Michigan, 1971. Speech. *The Function of the Hero in Shakespeare's Last Tragedies.*
- Michael Anthony Hall, B.E., University College (Dublin), 1970; M.S., Northwestern University, 1971. Industrial Engineering. *A Geometric Programming Approach to Highway Network Equilibria.*
- Kuo-Huang Han, B.A., Tunghai University, 1959; M.M., Northwestern University, 1966. Music. *The Use of the Marian Antiphons in Renaissance Motets.*
- William A. Hansen, B.S., Illinois Institute of Technology, 1970; M.S., Northwestern University, 1971. Mathematics. *A Computer Calculation of the Homology of the Lambda Algebra.*
- Emil Lawrence Hanzevack, Jr., B.S., Northwestern University, 1969; M.S., Carnegie-Mellon University, 1970. Chemical Engineering. *A Self-Correcting Model for Estimation, Prediction and Control of Sulfur Dioxide Concentrations in Urban Airshed.*
- Robert L. Harris, Jr., B.A., Roosevelt University, 1966; M.A., 1968. History. *The Free Black Response to American Racism, 1790-1863.*
- Arne Hassing, B.A., Boston University, 1964; B.D., Garrett Theological Seminary, 1968; M.Div., 1968. Religion. *Methodism and Society in Norway: 1853-1918.*
- Umesh Ratnakar Hattikudur, B.Ch.E., University of Bombay, 1967; M.S., Northwestern University, 1969. Chemical Engineering. *Reaction Kinetics of the Disproportionation of Propylene Over a Tungsten Oxide-Silica Catalyst.*
- John Albert Heisey, Ph.B., Northwestern University, 1967; M.A., 1970. Psychology. *Mediational Response Chaining in Anagram Problem Solving.*
- Eugene Leon Hermitte, A.B., Stanford University, 1966. History. *An Economic History of Barotseland, 1800-1940.*
- Donald Louis Hey, B.S., Missouri School of Mines, 1963; M.S., University of Kansas, 1968. Civil Engineering. *A Marginal Cost Basis for Metropolitan Water Supply and Operation.*
- Richard Henry Hirsch, B.S., Illinois Institute of Technology, 1969. Chemistry. *Photochemical Addition Reactions of Dipheylvinylene Carbonate and Stilbene to Dienes and Olefins.*
- Giles Wesley Hogya, B.A., Miami University, 1965; M.A., Northwestern University, 1970. Speech. *Predicting Achievement in Creative Dramatics.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Malcolm J. Holmes, B.A., Providence College, 1966; M.A., Northwestern University, 1966. French. *Maurice Barres and Jean Giraudoux: A Comparative Study of the Problem of Identities.*
- Duncan McClave Holthausen, Jr., B.A., Dartmouth College, 1964; M.B.A., Columbia University, 1966. Management. *The Firm Under Regulation: An Analysis of Uncertainty, Incentives and Regulatory Lag.*
- Sean Hughes, A.B., Loyola University, 1964; M.Ed., DePaul University, 1967. Education. *Organizational Patterns of Western Pennsylvania Middle Schools, Role and Role Conflict as Perceived by Their Principals.*
- Galen S. Hull, B.A., Texas Christian University, 1963; M.A., American University, 1967; M.A., Northwestern University, 1971. Political Science. *Nationalization of the University in the Republic of Zaire.*
- Cheng-Yeng Hung, B.S., National Taiwan University, 1957; M.S., National Kyoto University (Japan), 1963; M.S., University of Iowa, 1966. Civil Engineering. *Turbulent Flow of Non-Newtonian Fluid in Pipes and Its Application to Sewage Sludge Transportation.*
- Monroe Joseph Ingberman, B.A., University of Chicago, 1954; M.S., 1961. Mathematics. *Asymptotic Solutions and Deficiency Indices of Sixth Order Self-Adjoint Differential Operators.*
- Julio A. Jimenez, Eq. of B.S., University of Havana, 1960; M.A., Roosevelt University, 1968. Spanish. *Doña Mariana de Caravajal y Saavedra Navidades de Madrid y Noches Entretenidas, En Ocho Novelas Edición Crítica y Anotada.*
- Baylor L. Johnson, B.S., University of Tennessee, 1967; M.A., Northwestern University, 1971. Philosophy. *Sights and Sounds: A Study of Goodman's Aesthetics.*
- William Arthur Jones, B.A., Cornell College, 1952; B.D., Yale University, 1956. Religion. *Introduction to the Christian Doctrine of Juan de Valdes.*
- Yusuf Kalindaga, B.A., University of Dar es Salaam (Tanzania), 1968; M.A., Northwestern University, 1970. Urban Systems Engineering. *Interdependence Between Employment Growth and Interregional Migration: An Empirical Study of U.S. Metropolitan Areas.*
- Daniel Carl Kasperski, B.S., Northwestern University, 1965; M.S., 1972. Civil Engineering. *The Efficacy of the Contingent Injury Fund Concept in Providing Adequate Workman's Compensation Benefits in Cases Involving Latent, Non-specific Radiation Injury.*
- Fatma Kavala, B.S., Middle East Technical University (Turkey), 1969; M.S., Northwestern University, 1971. Electrical Engineering. *Statistical Aspects of Optical Wave Propagation Through a Turbulent Atmosphere.*
- Dana E. Keil, A.B., Syracuse University, 1966; M.A., Northwestern University, 1967. Anthropology. *The Inter-group Economy of the Nekematigi, Eastern Highlands District, New Guinea.*
- Mark O. Kestner, B.S., Carnegie-Mellon University, 1969; M.S., Northwestern University, 1970. Chemistry. *Tripositive Oxidation States of Zinc, Cadmium, and Mercury.*
- Shakil A. Khan, B.Sc., University of Karachi (Pakistan), 1967; M.Sc., 1968; M.Phil., University of Islamabad, 1969. Chemistry. *Part I. AA'BB' Spectral Analysis; Part II. Conformational Studies of Six- and Eight-membered Heterocyclic Ring Systems.*
- Sang U. Kim, B.S., LaSierra College, 1961; M.S., Texas A.&M., 1965; M.S., University of Illinois, 1969. Electrical Engineering. *Techniques of Enhancing Secondary Electron Emission Yield From a Thin Film Photoemitter of Alkali Halide for X-Ray Imaging.*
- Carol Olander Klecka, B.A., University of Illinois, 1969; M.A., Northwestern University, 1971. Psychology. *The Measurement of Children's Masculinity and Femininity.*
- Richard Henry Klem, B.S., Illinois Institute of Technology, 1966. Economics. *Investment in Moveable Equipment by Hospitals.*
- William C. Koller, B.S., Marquette University, 1968; M.S., Northwestern University, 1971. Pharmacology. *Evoked Neural Activity in the Basal Ganglia of the Cat and its Modification by Cholinergic and Dopaminergic Agents.*
- Hagen Koo, B.A., Seoul National University, 1966; M.A., Northwestern University, 1971. Sociology. *Occupational Situs and Social Stratification in a Developing Society.*

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- Daniel Richard Kory, B.S., University of Maryland, 1969. Chemistry. *Entropic Control of Photochemical Reactivity and Deuterium Isotope Effects in the Norrish Type II Reaction of Aryl Alkyl Ketones.*
- Roger Michael Krause, A.B., University of Michigan, 1967; M.S., Northwestern University, 1971. Psychology. *A General Conflict Simulation Model for Ecological Generality: An Application to the Prisoner's Dilemma.*
- Earl Joseph Kruse, B.S., George Williams College, 1961; M.S., 1972; J.D., John Marshall, 1963. Education. *Jungian Learning Theory for Depth Education of Mid-Life Adults: A Proposed Model.*
- Harold Hing-Chuen Kung, B.S., University of Wisconsin, 1971; M.S., Northwestern University, 1972. Chemistry. *A Study on the Surface Structure of Supported Platinum Catalysts.*
- Wallace Lagerwey, A.B., Calvin College, 1966; M.A., Northwestern University, 1967. German. *Hans Henny Jahnn's Ugrino and Ingrabanien: Utopia and Its Failure.*
- Kang-nan Lee, B.S., National Taiwan University, 1964; M.S., University of Notre Dame, 1970. Civil Engineering. *Finite Element Methods in Elasticity.*
- Jerrold E. Lerum, B.A., Luther College, 1963; M.S., University of Wisconsin, 1968. Biological Sciences. *Immunological Impairment of Pregnancy in Female Mice Immunized Against Mouse Sperm Specific Lactate Dehydrogenase.*
- Wai-Bor Leung, B.S., The Chinese University of Hong Kong, 1969; M.S., Northwestern University, 1971. Physics. *Electronic Properties of Gray Tin in the Presence of an External Magnetic Field.*
- Thomas James Lewin, B.A., City College of New York, 1966. History. *The Structure of Political Conflict in Asante, 1875-1900.*
- Bette Bonder Love, B.S., Washington University, 1970; M.A., St. Louis University, 1972. Education. *Self-Esteem in Women Related to Occupational Status: A Biracial Study.*
- Susan Mabrey, B.A., Connecticut College, 1968; M.S., Northwestern University, 1970. Chemistry. *Conformation of Gonadotropin Releasing Hormone.*
- James George Magyar, A.B., Dartmouth College, 1969. Chemistry. *Photochemical α Cleavage of Aryl Alkyl Ketones.*
- Robert Thomas Maleske, B.S., DePaul University, 1969; M.A., Northwestern University, 1972. Psychology. *The Effect of a CUI Shift and Change in Contextual Cues in the Kamin Blocking.*
- Linda Haynes Marchant, B.S., Emory University, 1968; M.S., Northwestern University, 1970. Chemistry. *An Electron Paramagnetic Resonance and Mössbauer Emission Study of Some Cobalt Porphyrin and Heme Complexes.*
- Marcene Marcoux, B.A., Emmanuel College, 1968; M.A., Northwestern University, 1969. Anthropology. *The Cursillo de Cristiandad: An Anthropological Analysis of A Christian Religious Movement.*
- Louis A. McCall, B.A., Northwestern University, 1970. Political Science. *Regional Integration: Why, When, and How.*
- Charles R. McClenahan, B.S., New Mexico State University, 1969; M.S., Northwestern University, 1970. Physics. *Measurement of the Total Cross Sections for the ${}^7\text{Li}(d,p){}^6\text{Li}$, ${}^6\text{Li}({}^3\text{He},n){}^8\text{B}$, ${}^6\text{Li}(d,\alpha){}^4\text{He}$, ${}^6\text{Li}(d,p){}^7\text{Li}$, and ${}^6\text{Li}(d,n){}^7\text{Be}$ Reactions.*
- Max Paul McDaniel, B.A., Southern Illinois University, 1969; M.S., Northwestern University, 1970. Chemistry. *Excess Oxygen of Chromia.*
- Barbara J. McKay, B.S., Northwestern University, 1953; M.A., 1970. Education. *An Empirical Study of Feminine Attitudes Toward Feminine Achievement.*
- David Gordon McLone, B.S., Michigan State University, 1960; M.D., University of Michigan, 1965. Anatomy. *The Development of the Subarachnoid Space and Contiguous Structures in the Mouse (hy-3).*
- Michael D. Miller, B.A., Queens College, 1967; M.A., 1968; M.S., Northwestern University, 1970. Physics. *Microscopic Calculations for Quantum Many-Body Systems.*
- Elizabeth A. Milne, B.A., University of Windsor, 1969; M.A., Northwestern University, 1971. Economics. *A Multi-Sectoral Approach to the Labor Market.*
- William J. Milton, Sr., B.S., Savannah State College, 1963; M.S., Southern University, 1970. Biological Sciences. *Exogenous Variations in Plant (Zea Mays) Germination and Growth in Darkness and "Constant" Temperature, Modified by Uniform Daily Rotation.*
- Joel Jerome Mintzes, B.S., University of Illinois, 1970; M.S., 1971. Education. *A Comparative Study of Student Characteristics as Correlates of Performance in a College Biology Program Employing Audio-Tutorial Teaching Modules.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Marcelino Miyares, Dr. in Law, University of Villanova (Havana), 1960; M.A., Georgetown University, 1963. Political Science. *Models of Political Participation of Hispanic-Americans.*
- Duncan James Moore, S.B., Massachusetts Institute of Technology, 1970; M.S., Northwestern University, 1971. Mathematics. *On Homology Operations for the Classifying Spaces of Certain Groups.*
- Marie K. Mootry, B.A., Roosevelt University, 1965; M.A., University of Wisconsin, 1967. English. *Studies in Black Pastoral: Five-Afro-American Writers.*
- Jonathan Morell, B.A., McGill University, 1968; M.A., Northwestern University, 1972. Psychology. *The Training of Field Independence.*
- Barbara Wine Morrison, B.A., Goucher College, 1967; M.A., Northwestern University, 1970. Philosophy. *Husserl on Other Minds.*
- Clifford A. Moses, B.S., Northwestern University, 1965. Mechanical Engineering. *Light-Scattering Experiments in a Steam Nozzle with Homogeneous Condensation In the Neighborhood of the Triple-Point.*
- David MacBeth Moss III, B.A., Washington University, 1966; B.D., Seabury Western Theological Seminary, 1969; S.T.M., 1970. Religion. *A Clinical Application of Giovacchini's Model of Marital Interaction.*
- Janice Malmsten Mouton, B.A., University of Wisconsin, 1957; M.A., Northwestern University, 1968. German. *Joan of Arc on the Twentieth Century Stage.*
- John Michael Muchmore, B.S., Eastern Illinois University, 1958; M.S., 1962. Speech. *Role, Context and Speech-Communication Education: An Approach to Instruction Demonstrated by Application to the Occupational Category of Dental Hygienist.*
- Karla Treckel Mugler, B.A., Kent State University, 1970; M.A., Northwestern University, 1971. Education. *First-Year Graduate Students' Expectations of, and Satisfaction with, Their Graduate Experience.*
- Carolyn McTighe Musil, B.A., Duke University, 1966; M.A., Northwestern University, 1967. English. *Art and Ideology: The Novels and Times of Mrs. Humphry Ward.*
- Elonjo Joachim O. Nwabuzor, B.A., Carleton College, 1966; M.A., Northwestern University, 1969. Political Science. *Ethnic Value Congruence and the Propensity for Integration: A Case Study of the Cameroun Republic.*
- Philip Martin Nystrand, B.A., Northwestern University, 1965; M.A.T., The Johns Hopkins University, 1966. Education. *A Philosophical Analysis of the Question "What is English?"*
- Kenneth Paul O'Brien, A.B., Rutgers University, 1965. History. *The Savage and the Child in Historical Perspective: Images of Blacks in Southern White Thought, 1830-1915.*
- James B. O'Dwyer, B.A., SUNY at Buffalo, 1969. Chemistry. *Steric Effects in the Ramberg-Baecklund Reaction.*
- Robert Onopa, B.A., University of Illinois, 1964; M.A., University of Connecticut, 1966. English. *The Idea of Literary Autonomy.*
- Paul Eugene Orser, Jr., B.A., Lawrence University, 1967. History. *The Local Government Board and the Housing Problem, 1871-1919.*
- Savas Ozatalay, B.Sc., Middle East Technical University (Turkey), 1968; M.A., Northwestern University, 1970. Economics. *Farm Supply Functions: A Decision Theory Context.*
- Ibrahim Kutay Ozaydin, B.S., Robert College (Istanbul), 1969; M.Sc., Queen Mary College (London), 1970. Civil Engineering. *A Micro-Mechanistic Analysis for Creep Response of Kaolin Clay.*
- Albert Leon Page, B.S., Rensselaer Polytechnic Institute, 1966; M.B.A., Northwestern University, 1968. Management. *The Development and Testing of a Macro-Marketing Model of the Effect of Competition in Gasoline Retail Markets on the Degree of Consumer Choice.*
- Mateo Pardo, Jr., B.S., Columbia University, 1964; M.A., University of South Florida, 1970. French. *Norm and Structure in Lucien Descaves' LA COLONNE.*
- Rita Jean Parks, B.A., College of Saint Mary, 1958; B.A., Catholic University, 1967. Speech. *Mass Media Mythology: The Western Hero in Film and Television.*
- Nancy Cooney Paschall, A.B., DePaul University, 1970; M.A., Northwestern University, 1973. Psychology. *Effects of Targets' Clothing, Raters' Attractiveness, and Type of Photograph on Ratings of Physical Attractiveness.*

NORTHWESTERN UNIVERSITY

- Cyro Patarra, Eq. B.S., University of Sao Paulo, 1962; M.S., University of Chicago, 1969. Applied Mathematics. *Discretization Methods for Neutral Ordinary Differential Equations.*
- Payanzo Ntsomo, B.A., Westminster College, 1966; M.A., Northwestern University, 1967. Sociology. *Education and University Students in a New Nation: A Case of the Republic of Zaire.*
- Deborah Pellow, B.A., University of Pennsylvania, 1967; M.A., Northwestern University, 1968. Anthropology. *Women in Accra: A Study in Options.*
- Melvin D. Pettit, B.S., University of Cincinnati, 1956; M.S., Miami University, 1961. Education. *A National Survey of Legal Services Provided by State Departments of Education.*
- Richard David Peveler, B.S., Georgia Institute of Technology, 1969. Chemistry. *Some Boronate Fragmentations.*
- Richard Allan Phelps, B.S., University of Oregon, 1963; M.S., 1966. Speech. *Attitudes of Classroom Teachers, Learning Disabilities Specialists, and School Principals Toward Speech and Language Therapy in Public Elementary Schools.*
- John S. Pipkin, B.A., Sheffield University, 1968; M.A., 1970. Geography. *Two Probabilistic Revealed Preference Models of the Choice Process In Recurrent Urban Travel.*
- Andrew William Postlewaite, B.A., Illinois Wesleyan University, 1965; M.S., DePaul University, 1969. Mathematics. *Disadvantageous Syndicates in Exchange Economies.*
- Douglas Robert Powell, B.A., Western Michigan University, 1970; M.A., 1971. Education. *A Study of the Role of the University in the Education of Teachers in Service.*
- Robert Allen Pryor, B.E.S., The Johns Hopkins University, 1966; M.S., Northwestern University, 1969. Electrical Engineering. *Impurity-Band Tunneling in Transistor Junctions.*
- Diego Raul Rangel, Ph.B., DePaul University, 1954; M.Ed., Northeastern Illinois University, 1971. Education. *A Longitudinal Study of Special Services Experienced by Twenty-Three Post-Secondary Students from Mexican American and Puerto Rican Communities in Chicago.*
- Pabbisetty Venkata Seshagiri Rao, B.Sc., Andhra University (India), 1954; D.I.I.Sc., Indian Institute of Science, 1958. Materials Science. *Many-Electron Correlation Effects on the Energies and Configuration of Lattice Defects in Simple Metals.*
- James Leslie Reed, B.S., University of Illinois, 1969; M.S., Northwestern University, 1971. Chemistry. *The Photochemistry of Azidopentaamminerhodium (III) Ion.*
- Edward Arlen Robinson, B.A., Howard University, 1959; M.A.T., University of Chicago, 1970. Education. *Toward a Theory of the Utilization of Afro-American Drama in Education: Perspectives for Teaching.*
- Rodney Julio Rodriguez, B.A., Florida State University, 1968; M.A., Northwestern University, 1969. Spanish. *New Directions in the Spanish Novel: 1840-1865.*
- Michael J. Rosen, A.B., Sc.B., Brown University, 1966; M.S., Northwestern University, 1968. Electrical Engineering. *Optical, Perceptual and Dynamic Properties of the Accommodation Control System.*
- Alfonse William Runquist, B.S., Hamline University, 1967. Chemistry. *Synthetic Approaches to Betweenanenes.*
- James Allan Ruth, B.S., University of Kansas, 1968. Chemistry. *The Total Synthesis of Racemic Globulol.*
- G. Scott Rutherford, B.S., Washington State University, 1966; M.S., 1968. Civil Engineering. *Analysis and Modeling of Pedestrian Travel Behavior in Central Business Districts.*
- Andrew Joseph Sanders, B.A., Northwestern University, 1966; J.D., 1969; M.A., 1971. Sociology. *The Reasonable Man: Responsibility and Excuse in the Law of Automobile Accidents.*
- Lawrence Douglass Sanders, B.S., Central State University, 1969; M.A., Northwestern University, 1973. Psychology. *Problems of Drug Program Evaluation: A Follow-Up Study of 160 Heroin Addicts.*
- John R. Schermerhorn, Jr., B.S., SUNY at Buffalo, 1965; M.B.A., New York University, 1967. Management. *Determinants of Interorganizational Cooperation: Theoretical Synthesis and an Empirical Study of Hospital Administrators' Felt Needs to Cooperate.*
- Thomas Fulton Schlaf, B.S., University of Missouri, 1969. Chemistry. *Synthetic Approaches to Anhydroglucitolin.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- C. Richard Schlegel, B.A., Rutgers University, 1968. Microbiology. *STH₁: A Bacteriocin Produced by STREPTOCOCCUS; SANGUIS (Strain Challis)*.
- Emile Schepers, B.A., American University, 1966; M.A., Northwestern University, 1968. Anthropology. *Voices, Visions and Strange Ideas: Hallucinations and Delusions in a Mexican-Origin Population*.
- Charles M. Schoenfeld, B.A., University of Rochester, 1960; D.D.S., Northwestern University, 1963; M.S., 1967. Biological Materials. *The Rheology and Monomer Release of Unset Methmethacrylate for Bone Cements*.
- Richard John Schoonover, B.M., DePaul University, 1955; M.M., 1963. Music. *A Study of the Construct Validity of Selected Musical Aptitude Tests Using the Multi-trait-Multimethod Matrix Procedure*.
- Ronald Lewis Schow, B.S., Utah State University, 1967; M.S., 1969. Speech. *Historical, Otological, and Audiological Findings in Otosclerosis with Diagnosis by Radiology*.
- Jan Jozef Schreurs, Eq. of B.S., Catholic University (Belgium), 1967. Materials Science. *Partial Radial Density Functions in Y-CuCl*.
- Bonnie Joy Sedlak, B.A., Northwestern University, 1965; M.A., Western Reserve University, 1968. Biological Sciences. *Hormonal Effects on Epidermal Cell Ultrastructure During the Development of Hyalophora cecropia*.
- Aff M. Seyam, B.Sc., University of Cairo, 1966. Chemistry. *Part I. Synthesis, Chemistry, and Spectroscopy of Some Tris (Pentahaptocyclopentadienyl) Uranium(IV) Alkyl and Aryl Compounds; Part II. Observations on the Thermal Decomposition of Some Uranium (IV) Tetraalkyls; Part III. Synthetic Approaches to Cationic Silyene, Germylene and Stannylene Transition Metal Complexes Via Halide Abstraction*.
- Lee T. Shapiro, B.S., Carnegie-Mellon University, 1966; M.S., Northwestern University, 1968. Astronomy. *An Investigation of 1400 Above-The-Main Sequence Close Binaries*.
- David Paul Shaub, B.A., Kalamazoo College, 1964; M.A.T., Northwestern University, 1965. Education. *Discrimination of Second Year Biology Students for Placement into Appropriate Classroom Settings: Conventional or Individualized Approaches*.
- Norman Lee Shawchuck, B.A., Jamestown College, 1968; M.Div., Garrett Theological Seminary, 1970. Religion. *The Process of Merging Two Seminaries*.
- Daniel P. Sheridan, B.A., Fordham University, 1967; M.A., Cornell University, 1969. English. *Later Victorian Ghosts: Supernatural Fiction and Social Attitudes, 1870-1900*.
- Robert Weir Shuford, B.A., Williams College, 1967; M.A., Northwestern University, 1968. Political Science. *Anarchism and Social Action in America: A Case Study of an Alternative Health Care Facility*.
- Gale W. J. Sievers, B.S., Wisconsin State University, 1959; M.A., Marquette University, 1963. Speech. *John Dewey's Theory of Communication, Mind and Society*.
- Jane R. Silvius, B.A., California State College, 1966; M.A., San Francisco State College, 1968. Speech. *A Study of the Comparative Performance of Learning Disabled and Normal Children on Piagetian Tasks of Conservation*.
- Norbert A. Simon, B.S., George Williams College, 1951; M.S.W., University of Illinois, 1953. Education. *The Politicization of Educational Issues*.
- John Kares Smith, B.S., Northwestern University, 1964; M.A., 1965. Speech. *Upton Sinclair and the Celestial Crown: The Rhetoric of the Dead Hand Series*.
- Thomas Willoughby Smithson, B.A., Northwestern University, 1962; M.A., 1964. Education. *A Study of Selected Motivational Variables Associated With Mathematics Achievement*.
- John J. Soladay, B.A., City College of New York, 1967; M.A., Northwestern University, 1968. Economics. *Measurement of Income and Produce in the Oil and Gas Mining Industries*.
- David Wilson Sparks, B.A., University of Massachusetts, 1969; M.A., 1970. Speech. *The Relative Roles of Microstructure and Envelope in Reducing the Fusion of Binaural Auditory Signals*.
- Hilde Spiegel, B.A., Barat College, 1969; M.A., Northwestern University, 1970. French. *Les Neapolitaines by Francois d'Amboise: A Critical Edition*.

NORTHWESTERN UNIVERSITY

- Newton Kingman Stablein III, A.B., Georgetown University, 1966. Geological Sciences. *Nature and Origin of the Feldspars of the Tunnel City Group, Central and Southern Wisconsin.*
- Ann Leslie Stanford, B.S., Duke University, 1968; M.S., Northwestern University, 1970. Chemistry. *Nonradiative Rates for Isolated Large Molecules and Spectroscopic Implications.*
- Michael S. Stohl, A.B., SUNY at Buffalo, 1969; M.A., Northwestern University, 1970. Political Science. *War and Domestic Political Violence in the United States 1890-1970: The American Capacity for Repression and Reaction.*
- Kuchibhola Subbarao, B.S., Osmania University, 1962; M.S., 1964. Biochemistry. *Mode of Action of Certain Inhibitors on Purified Diamine Oxidase of Hog Kidney.*
- John Christopher Swenson, B.A., Macalester College, 1968. Chemistry. *Isolation, Characterization, and Possible Function of a New Peptidoglycan Precursor [UDP-N-acetylmuramyl-alanyl- γ -D-glutamyl-lysyl-(ϵ -alanyl)-D-alanyl-D-alanine] from *Staphylococcus aureus* Copenhagen.*
- Gary C. Tamkin, B.A., Northwestern University, 1970. Psychology. *Being Special: A Study of the Upper Class.*
- Terrence Andresen Tatje, B.A., Northwestern University, 1965; M.A., 1966. Anthropology. *Mother Daughter Dyadic Dominance in Black American Kinship.*
- Kandasamy Thangavelu, B.E., Madras University (India), 1965; M.E., University of Baroda, 1967. Civil Engineering. *Systems Analysis of Personal Rapid Transit Systems.*
- John C. Thomas, B.A., University of Minnesota, 1966; M.A., 1967. Political Science. *The Decline of Ideology in the West: A Longitudinal Study of the Changing Public Policy Orientations of Political Parties in Twelve Nations.*
- Richard L. Tuttle, A.B., Colgate University, 1966; M.A., SUNY at Binghamton, 1969. Anatomy. *Effects of Cytochalasin B on RGC6 Glioblastoma Cells.*
- James H. Vander Weide, B.A., Cornell University, 1966. Management. *An Econometric Study of Corporate Financial and Investment Policies During 1958 II to 1971 II Period.*
- Vijayaranga Krishna Varatharajulu, B.E., University of Madras (India), 1964; M.S., Pennsylvania State University, 1969. Theoretical and Applied Mechanics. *Problems of Elastodynamic Crack Propagation.*
- Ashok Vora, B.Sc., University of Bombay, 1967; Eq. of M.B.A., Indian Institute of Management, 1970. Management. *Customer Selection in Banking.*
- Richard H. Wedemeyer, B.A., Grinnell College, 1964; M.S., Northern Illinois University, 1970. Education. *The Identification of Potential Defaults and the Development of a Program to Assist Them in the Illinois Guaranteed Student Loan Program.*
- Lun-yan Wei, B.S., National Taiwan University, 1965; M.S., West Virginia University, 1969. Chemical Engineering. *The Measurement of Surface Viscosity.*
- Robert Leigh Welch, B.A., University of Maryland, 1968; M.A., Northwestern University, 1970. Economics. *Multilevel Systems and Markets: Alternative Solutions to the Computation Problem in Decentralized Economic Planning.*
- Mary Putnam Wempen, B.A., Wellesley College, 1961; M.A., University of Southern California, 1968. Education. *The Satellite Team: The Impact of a Pupil Services Work Group on a School.*
- Hung-Shan Weng, B.S., Cheng Kung University (Taiwan), 1962; M.S., 1964. Chemical Engineering. *Deactivation Effects in Fixed Bed Reactors.*
- Robert Craig West, A.B., University of Missouri, 1969; M.A., Northwestern University, 1971. Economics. *Theoretical and Structural Aspects of Banking Reform, 1863-1923: Real Bills and the Question of Organization.*
- William Gordon West, B.A., York University, 1968; M.A., Northwestern University, 1970. Sociology. *Serious Thieves: Lower-Class Adolescent Males in a Short-Term Deviant Occupation.*
- Michael Jeremiah White, B.S., Massachusetts Institute of Technology, 1965; M.A., Northwestern University, 1967. Political Science. *Model of the Development of Management Science Activities in Federal Civilian Agencies: A Longitudinal, Comparative Field Study with Illustrations.*
- William Alan White, B.A., Miami University, 1969. History. *Chicago and Toronto: A Comparative Study in Early Growth.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Gerald Fitzroy Whittaker, B.A., McGill University, 1960; M.A., University of Manitoba, 1963. Management. *An Economic and Statistical Evaluation of the Performance of Hospitals in a Merged System: An Application of a Quasi-Experimental Design.*
- Hartmut U. Wider, Eq. of B.S., University of Stuttgart, 1965; M.S., 1969; M.S., Northwestern University, 1970. Nuclear Engineering. *An Improved Analysis of Fuel Motion During an Overpower Excursion.*
- Wesley Wayne Winn, Sr., B.A., Eastern Michigan University, 1967; M.A., Northwestern University, 1968. Education. *Design of a Student Personnel Administration Preparatory Program for Northwestern University Which Utilizes the Systems Approach Methodology.*
- Barbara J. Winston, B.S., University of Illinois, 1956; M.A.T., Northeastern Illinois University, 1970. Education. *The Relationship Between Awareness and Concern for Environmental Quality Among Selected High School Students.*
- Samuel Peng-Yuen Wong, B.T., Trinity Theological College, 1962; B.D., Garrett Theological Seminary, 1967; M.A., Northwestern University, 1967, 1970. Sociology. *Explaining the Differences in Attitudes Between Methodist Clergy and Laity Toward the Radical Right in America.*
- Shiang Ming Wu, B.S., National Taiwan University, 1967; M.S., Northwestern University, 1971. Electrical Engineering. *Generation of Fault Detection and Location Test Sets for Combinational Logic Circuits.*
- Toshihiko Yoshitomi, B.S., University of Tokyo, 1969. Materials Science. *Electronic and Galvanomagnetic Transport Properties of β' -phase Transition-Metal Alloys.*
- Sei Chul Yun, B.A., Seoul National University, 1961; M.E., 1965; M.A., Claremont Graduate School, 1970. Education. *An Analysis of Modernization in China (1842-1949) for Teaching Secondary Social Studies.*
- David Harris Zarefsky, B.S., Northwestern University, 1968; M.A., 1969. Speech. *President Johnson's War on Poverty: A Rhetorical Autopsy.*

MASTER OF ARTS

- Barbara Joan Abbate, B.S., St. John's University, 1968. Speech.
- Ellen Barbara Albert, B.A., McGill University, 1972. Speech.
- Jerry M. Allen, B.S., Louisiana State University, 1972. Speech.
- Faith K. Alster, B.A., University of Colorado, 1952. Speech.
- Eleanor B. Amico, B.A., Lycoming College, 1969. Religion.
- Janice Marie Ampulski, B.S., Northwestern University, 1972. Speech.
- Rose Marie Maranto Anichini, B.A., Mundelein College, 1971. Education.
- James Rae Arneill IV, B.A., Lake Forest College, 1973. Education.
- Sherry Younger Artemenko, B.S., Northwestern University, 1973. Speech.
- Ephrem Asebe, B.S., Drexel University, 1970. Economics.
- Trudy Hamilton Bainter, B.A., Northwestern University, 1970. Education.
- Natalie Bantchenko, B.A., Roosevelt University, 1969; M.S., University of Illinois, 1971. Slavic.
- Linda Barbera, B.A., University of Illinois, 1969. Sociology.
- Barbara Shwom Baron, B.A., Simmons College, 1973. English.
- Margaret Jane Barr, B.A., Chatham College, 1972. Economics.
- Joseph Addison Bartush, B.A., University of Michigan, 1971. Speech.
- Frederick William Bender, B.S., University of Scranton, 1973. Education.
- Paula Jean Militello Bianchi, B.A., Southern Illinois University, 1972. Speech.
- Georgie Blacser, B.A., Duchesne College, 1967. Speech.
- Peter Michael Bliznick, B.A., Elmhurst College, 1972. Speech.
- Lenore S. Blum, B.S., Northwestern University, 1958. Speech.
- John Robert Bobay, B.A., Northwestern University, 1973. Economics.
- Christine Anne Boldt, B.A., Cornell University, 1971. English.
- William Steven Bradley, B.A., University of Colorado, 1971. German.
- Coleen M. Brady, B.A., Northwestern University, 1973. German.
- Susan Reeder Breuer, B.A., Northwestern University, 1972. Psychology.
- Lynn Marie Broquist, B.A., Beloit College, 1973. Slavic.
- Adrienne Iris Brown, B.S., Northern Illinois University, 1970. Education.
- Kenneth M. Brown, B.A., University of Texas, 1971. Anthropology.
- Patricia Martha Brown, B.A., Cornell College, 1972. Education.

NORTHWESTERN UNIVERSITY

- Barbara C. Brunk, B.A., Northwestern University, 1973. Speech.
 Glenda Lee Bunyard, B.S., Northwestern University, 1973. Speech.
 Kathleen Jo Burch, B.A., University of Iowa, 1973. Mathematics.
 Malcolm Bush, B.A., Oxford University, 1967. Psychology.
 Louis P. Castelli, B.A., The College of Wooster, 1970. Speech.
 Christine Yoshinaga Chaires, B.A., University of Southern California, 1972. Speech.
 Ann Hilary Champion, B.A., University of Wisconsin, 1969. Speech.
 Roseanne Clark, B.S., Northwestern University, 1972. Education.
 Glen W. Clatterbuck, B.A., College of William and Mary, 1973. Speech.
 Elaine Ruth Clecton, B.A., Evangel College, 1972. Speech.
 Ramon Codina Colmer, Eq. B.A., Universidad de Barcelona, 1970. Economics.
 John E. M. Colts-Tegg, B.S., Northern Arizona University, 1972. History.
 Guy R. Danielson, B.S., University of Iowa, 1972. Economics.
 Carol Janet Dapogny, B.S., Edgewood College, 1963. Speech.
 Stephen Filson Davis, B.S., Colorado State University, 1971. Psychology.
 Roy W. Dennis, B.S., Wisconsin State University, 1970. Anthropology.
 Letitia Arnold DePalma, B.A., Mount Mary College, 1959; M.A., Marquette University, 1962. English.
 Andrew J. Dickman, B.A., San Fernando Valley State College, 1972. Speech.
 Marleen Sharon Didech, B.S., University of Illinois, 1973. Speech.
 Melissa Rickards Drake, B.S., Northwestern University, 1970. Speech.
 David Marc Drew, B.S., Northwestern University, 1973. Speech.
 Segolene Ede, Eq. B.A., University of Paris, 1972. Slavic.
 Ruth L. Ellenberger, A.B., Brown University, 1972. Speech.
 Fern Nadler Ellison, B.A., Northwestern University, 1968. French.
 Michael Paul Elwart, B.S., Northern Illinois University, 1973. Education.
 Bechir El Younsi, Eq. B.A., University of Tunis, 1968; M.B.A., University of Washington, 1971. Economics.
 Shelley Falb Engler, B.S., Ohio University, 1971. Speech.
 Richard Dennis English, B.A., California State University, 1970. History.
 Ann Phylis Epstein, B.S., Northwestern University, 1974. Speech.
 Bradley Aaron Fagan, B.A., Roosevelt University, 1971; M.A.T., Northeastern Illinois University, 1972. Education.
 Frank J. Fahey III, B.A., University of Notre Dame, 1972. Sociology.
 David Robert Fay, B.A., Wheaton College, 1973. Speech.
 John Edward Feeley, A.B., LaSalle College, 1959. English.
 Betty Stratmann Feinberg, A.B., University of Kansas, 1968. Anthropology.
 Emilye Hunter Fields, B.A., Roosevelt University, 1963. Anthropology.
 Edward Philip Fine, B.A., McGill University, 1972. Economics.
 Esther Fink, B.A., University of Illinois, 1971. Speech.
 Mary Richter Foster, B.S., Tufts University, 1972. Education.
 Michail Steven Frain, B.A., Hamline University, 1971. Religion.
 Dennis Lee Fransted, B.A., Kalamazoo College, 1973. Anthropology.
 Kendra Holly Gaines, B.A., Mount Holyoke College, 1968; M.A., Claremont Graduate School, 1971. English.
 Martha Cotton Ganet, B.A., Boston University, 1972. Speech.
 Marcelita B. Garcia, B.A., University of the Philippines, 1964. Speech.
 Jaelyn Silber Gauger, B.A., University of Massachusetts, 1972. Speech.
 Stavros Elias Giannakeas, B.A., Graduate School of Economics (Athens), 1968. Economics.
 Stephen Joel Gill, B.A., University of Minnesota, 1969. Education.
 Hollace Mary-Helena Glenkey, B.A., Western Kentucky University, 1972. Speech.
 Myra Bernice Goldberg, B.S., Northwestern University, 1973. Speech.
 Debra Lee Goldstein, B.A., Northwestern University, 1974. Economics.
 Karen Paula Goldstein, B.A., SUNY at Buffalo, 1971. Speech.
 Debra Ann Gonsler, B.A., Queens College, 1973. Speech.
 Jeannette Trigalet Goodman, B.A., Oklahoma State University, 1972. Speech.
 Richard Henry Gordin, B.S., Purdue University, 1970. Anthropology.
 Risa Joy Graff, B.A., University of Illinois, 1972. Speech.
 Nancy Anne Graliker, B.A., Barat College, 1971. French and Italian.
 Joan W. Grauer, B.S., Northwestern University, 1952. Speech.
 Howard Gross, B.A., Queens College, 1972. Speech.
 Wilson J. Guilianelli, B.S., Northwestern University, 1973. Speech.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Janet Lee Hammond, B.A., Murray State University, 1973. Speech.
 Maria C. Harduvel, B.S., University of Illinois, 1972. Education.
 Bernie Stover Hargis III, B.A., Ouachita University, 1973. Speech.
 Josephine Mineo Harrison, A.B., Princeton University, 1973. English.
 Nouhed Nahra-Havrilla, B.A., Catholic University of America, 1964. French.
 Samuel Hazard, B.A., Williams College, 1946. Education.
 Michael Hendricks, B.S., Michigan State University, 1971. Psychology.
 Elizabeth Margaret Herlihy, B.S., Northwestern University, 1972. Speech.
 Richard Lee Hervey, B.S., Texas Technological University, 1973. Mathematics.
 Pamela Clark Higgins, B.A., Douglass College, 1972. Speech.
 Paul Cole Higgins, B.A., University of Maryland, 1972. Sociology.
 Sandra Denise Hill, B.A., Northwestern University, 1971. Education.
 Barbara Rachel Hirsch, B.A., Knox College, 1969. Speech.
 Gary Lee Hirsch, B.S., University of Illinois, 1973. Education.
 William J. Horrigan, B.A., Mundelein College, 1973. Speech.
 Anne Sigismund Huff, B.A., Barnard College, 1970. Sociology.
 Elizabeth Logan Hummel, B.A., Valparaiso University, 1973. Speech.
 Donna Colette Hutchings, B.S., Northwestern University, 1973. Speech.
 David Jackson, B.A., University of Illinois, 1972. Speech.
 Ernest G. Jacob, A.B., Rutgers College, 1972. English.
 Bennett L. Janken, B.A., University of Hawaii, 1973. Sociology.
 Dorothy J. Johnson, B.A., Talladega College, 1972. Education.
 Leon Johnson, B.A., Dillard University, 1956; B.D., University of Chicago, 1959. Education.
 Arthur Lloyd Johnston, B.A., SUNY at Albany, 1966. Speech.
 Michael W. Jozwiak, A.B., Loyola University, 1973. Slavic.
 W. Bailey Kahl, B.S., Ohio University, 1962; M.S., Washington University, 1966. Speech.
 Beverly Cates Kale, B.A., Beloit College, 1971. Education.
 Susan Jean Kaler, A.B., Brown University, 1972. Speech.
 Gary Kamarat, B.A., Roosevelt University, 1968. Speech.
 Andrew Jay Kass, B.A., Lawrence University, 1969. Spanish.
 Debra Rae Katz, B.S., University of Minnesota, 1972. Speech.
 Judith J. Katz, B.A., University of Maryland, 1972. Speech.
 Bonnie Kearney, B.A., Barat College, 1968. Education.
 Kevin Francis Keating, B.A., Marquette University, 1973. Anthropology.
 Kathleen Marie Keefe, B.S., University of Illinois, 1972. Education.
 Liselotte A. Khan, B.A., Roosevelt University, 1973. Anthropology.
 Edward C. King, B.A., Amherst College, 1973. Anthropology.
 Sara Read King, B.S., Western Michigan University, 1974. Speech.
 Melvin R. Kinlow, B.A., North Central College, 1973. Sociology.
 William Garry Kirkwood, B.S., Northwestern University, 1973. Speech.
 Michael F. Kohler, A.B., University of California, 1971. Sociology.
 Ann Louise Koski, B.A., University of Michigan, 1973. Anthropology.
 Ronald Anthony Koules, B.A., DePauw University, 1968. Speech.
 Harriet Ann Kroon, B.A., Northeastern Illinois University, 1971. Speech.
 James Alan Krosschell, B.A., Calvin College, 1972. English.
 Michael L. Kuriniec, B.A., Northeastern Illinois University, 1971. Slavic.
 Robert Stephen Lasnik, A.B., Brandeis University, 1972. Education.
 Virginia C. Lepori, A.B., Boston College, 1973. Education.
 Cynthia Galler Levin, A.B., Washington University, 1968. History and Literature of Religions.
 Judith M. Levine, B.A., University of Massachusetts, 1971. Speech.
 Richard S. Levine, B.A., Brooklyn College, 1973. Anthropology.
 Robert Alan Levy, B.S., University of Pennsylvania, 1972. Economics.
 Joan Sue Lewenstein, A.B., University of Michigan, 1973. Speech.
 Deanna B. Lindquist, B.F.A., Texas Christian University, 1960. Speech.
 Pauline Lytle, B.A., College of New Rochelle, 1972. Speech.
 Mary Elaine Malliaris, B.A., Louisiana State University, 1970. Mathematics.
 Frank C. Marino, B.A., Lawrence University, 1970. Spanish.
 Ronald Louis Marmer, B.S., Northwestern University, 1974. Speech.
 Sylvia L. Mayworm, B.A., University of Illinois, 1970. Speech.
 Edward James McCabe, B.A., University of Houston, 1966; M.A., 1967. Sociology.

NORTHWESTERN UNIVERSITY

- Priscilla Anne McCune, B.A., Northwestern University, 1971. Speech.
 Mark Lawrence McGowan, B.A., University of Notre Dame, 1973. Anthropology.
 Irene Z. McGovern, A.B., Marquette University, 1972. History.
 Patricia Jean McKenny, B.S., Northwestern University, 1973. Speech.
 Marion Chesbrough McKinney, B.A., University of Minnesota, 1948. English.
 Eleanor Jane McNees, B.A., Colgate University, 1973. English.
 Pierre Michel Melut, Diplome d' Ingenieur, Ecole Polytechnique (France), 1970. Geography.
 William Daviess Menefee, Jr., B.A., Centre College, 1969. Classics.
 Ralph H. Metcalfe, Jr., B.A., Columbia University, 1970. Political Science.
 Wang Martin Metuge, B.A., University of Liberia, 1968; M.A., American University of Beirut, 1971. Political Science.
 Lynn Christine Miller, B.A., University of North Dakota, 1973. Speech.
 Charles Edward Milner, B.A., Miles College, 1972. Mathematics.
 Gail Polcyn Moss, B.A., University of Illinois, 1969. English.
 Christine J. Mowrey, B.A., Valparaiso University, 1969. Speech.
 Darryl K. Muhrer, B.S., University of Missouri, 1965. Education.
 Raymond Don Narducy, B.A., Wartburg College, 1969. Speech.
 Rozell William Nesbitt, B.A., Antioch College, 1967. History.
 Lisa Ann Newman, B.S., Northwestern University, 1973. Speech.
 Pamela Helen Niarchos, B.A., Northwestern University, 1973. Education.
 Mary S. Nodot, B.A., Mundelein College, 1972. French.
 Carole L. Ober, B.A., George Washington University, 1972. Anthropology.
 Margaret Landon Ocoolkjich, B.S., Columbia University, 1965. Education.
 James Erwin Oosting, B.A., Taylor University, 1973. Speech.
 Don Paarlberg, Jr., B.A., DePauw University, 1966. Philosophy.
 Norman Michael Parrett, B.A., Northwestern University, 1973. German.
 Paula Margaret Peterson, B.S., Loyola University, 1972. Education.
 Sigrid Pohl, B.A., Illinois Wesleyan University, 1972. English.
 Janet Polivy, B.S., Tufts University, 1971. Psychology.
 Robert Michael Porter, A.B., Harvard College, 1973. Mathematics.
 Howard Steven Potter, B.A., University of Wisconsin, 1973. Speech.
 William David Pullin, B.A., DePauw University, 1971. English.
 Margaret Clysdale Pyterek, B.A., Bradley University, 1970. Speech.
 Mary McCarthy Quish, B.A., Rosary College, 1973. English.
 Justin L. Ramp, B.S., Northwestern University, 1966. Education.
 Judith Ellen Rees, B.A., University of Chicago, 1972. Education.
 Erica S. Reich, B.A., University of Akron, 1972. Speech.
 Marsha Lynn Reisin, B.A., University of Wisconsin, 1972. Education.
 Demetri James Retson, B.A., Northwestern University, 1974. Economics.
 Pamela Jean Richards, B.A., Northwestern University, 1973. Sociology.
 Donna Ellen Richardson, B.A., Swarthmore College, 1971. English.
 Richard Lee Rogers, B.S., Northwestern University, 1972. Education.
 Dennis Wayne Rothermel, B.A., Yale University, 1972. Philosophy.
 Suzanne M. Rubel, B.A., Northwestern University, 1956. Education.
 Luis M. Salces, B.A., Catholic University of America, 1967. Sociology.
 Dorothea Tia Samios, B.A., Knox College, 1972. Speech.
 Elena J. Savoy, B.A., Loyola University, 1973. Education.
 Teresa Ann Schendel, B.S., Northwestern University, 1973. Speech.
 Christine Brand Schiever, A.B., St. Louis University, 1972. German.
 Thomas J. Schorle, B.A., University of Wyoming, 1971. Speech.
 Richard David Schreckengost, B.A., Northwestern University, 1967. Sociology.
 Joseph Edward Seiber, A.B., Davidson College, 1973. German.
 Janisse Appleblatt Selan, B.A., University of Michigan, 1971. English.
 William Lloyd Senior, B.A., Carleton College, 1972. History.
 Deborah Fran Silver, B.A., Northwestern University, 1974. Slavic.
 Deirdre Smith, B.A., Northern Illinois University, 1968. Speech.
 Pamela Ann Smith, B.S., Loyola University, 1971. Speech.
 Barbara Jane Solomon, B.A., University of Rochester, 1973. Education.
 Thomas Paul Stamp, A.B., Kenyon College, 1973. English.
 John Huston Stanfield, B.A., California State University, 1973. Sociology.
 Joel B. Stronberg, B.A., Lake Forest College, 1968; J.D., Northwestern University, 1971. Sociology.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Steven Howard Stucker, B.A., Northwestern University, 1972. Sociology.
George Herbert Sweeney, B.S., Massachusetts Institute of Technology, 1972. Economics.
George Steel Swope, Jr., B.A., Lawrence University, 1972. Slavic.
Louise Taylor, B.A., Roosevelt University, 1962. English.
Irene Terrero, B.A., George Washington University, 1972. Speech.
Susan Bennett Thomson, B.A., MacMurray College, 1970. Political Science.
Barbara Brozman Tucker, B.A., University of Missouri, 1971. Speech.
Cynthia Tucker, B.A., Lake Forest College, 1973. Education.
Philip Myles Unell, B.A., University of Missouri, 1973. Mathematics.
Marita Loane Wagner, A.B., Mount Holyoke College, 1971. Speech.
Renee Walker, B.A., Fisk University, 1972. Economics.
Stephen Robert Warwick, B.A., SUNY at Binghamton, 1973. Economics.
Shirley Ann Watson, B.A., Mundelein College, 1972. History.
James Fredric Weiner, A.B., Franklin and Marshall College, 1973. Anthropology.
Ilene Weinstein, B.A., University of Pittsburgh, 1972. Speech.
Elizabeth Wheeler, B.A., University of Minnesota, 1972. History.
Jay Wheeler, B.S., University of Idaho, 1972. Speech.
Kaul Morgan Williams, B.S., Tennessee Technological University, 1973. Speech.
Paul Anthony Joseph Wilson, B.A., University of Massachusetts, 1972. English.
Diane Wish, B.A., University of Illinois, 1972. Slavic.
Lauren Kwai Oi Young, B.A., University of California, 1972. Speech.
Barbara Marie Zaveruha, B.A., Swarthmore College, 1970; M.A., Ivetts University, 1972. Anthropology.
Paul B. Zisla, B.A., Indiana University, 1973. Sociology.
Thomas John Zlatoper, B.A., Boston College, 1973. Economics.

MASTER OF ARTS IN TEACHING

- Michael Jay Hileman, B.A., Northwestern University, 1971. Education.
Mary Grimes Johnson, B.A., Roosevelt University, 1972. Education.
Peter Kalafarski, A.B., Dartmouth College, 1972. Education.
Laurene Sharon Kemp, B.A., St. Olaf College, 1969. Education.
Lorraine Mueller Masschelin, B.S., Northwestern University, 1950. Education.
Patricia A. Mayland, B.A., University of Wisconsin, 1972. Education.
Lee Benham Poole, B.A., University of California, 1971. Education.
Jerome A. Schulz, B.A., Cornell University, 1972. Education.
Lillian Marguerite Tynes, B.A., Lake Forest College, 1972. Education.

MASTER OF FINE ARTS

- Dorothea L. Albert, B.A., Earlham College, 1971. Speech.
Wesley Crawford, B.F.A., Kansas City Art Institute, 1972. Art.
Shirley S. Kontos, B.F.A., Art Institute of Chicago, 1972. Art.
Elizabeth Louise Ockwell, B.A., University of Washington, 1967. Art.
Regina Hirsh Rosenblum, B.F.A., Art Institute of Chicago, 1972. Art.
John Woodbridge Williams, B.S., Northwestern University, 1972. Speech.

MASTER OF SCIENCE

- Roger Hugh Affleck, B.A., Northeastern University, 1971. Mathematics.
Jay Borden Allison, B.S., Northwestern University, 1972. Civil Engineering.
Wolde Amanuel Assaged, B.A., Haile Selassie University, 1970. Transportation.
Harry John Augensen, B.A., Elmhurst College, 1973. Astronomy.
Louise Bruegge Aust, B.A., Manhattanville College, 1972. Biological Sciences.
Gerard Jacques Barbotin, Diploma de' Ingeniere, Institut National des Sciences Appliques (France), 1969. Materials Science.
Andrew Bata, B.A., Lehman College, 1971. Transportation.
Helen Ann Bauer, B.S., Purdue University, 1972. Computer Sciences.
Stephen C. Bayne, B.A., Carleton College, 1968. Biological Materials.

NORTHWESTERN UNIVERSITY

- John William Behrens, B.A., Southern Illinois University, 1970. Transportation.
 Marc Bellon, Eq. B.S., Ecole Centrale des Arts et Manufactures (France), 1972. Chemical Engineering.
 Lawrence J. Bennett, B.S., Gonzaga University, 1972. Civil Engineering.
 Richard Michael Bertrand, B.S., Marquette University, 1973. Computer Sciences.
 Kenneth Gerdes Best, B.A., Cornell University, 1965. Transportation.
 Jozef Bicerano, B.A., Northwestern University, 1974. Chemistry.
 June Alice Brose, B.S., Indiana University, 1959; D.D.S., 1972. Dentistry.
 Stephen Alan Browne, B.S., Union College, 1971. Civil Engineering.
 Jeffrey Stuart Cades, B.S., Drexel University, 1971. Chemistry.
 Thomas M. Campbell III, B.S.M.E., Tuskegee Institute, 1972. Biomedical Engineering.
 Show-peng Chang, B.S., Taiwan Normal University, 1953. Applied Mathematics.
 Frances June Chessler, B.A., University of Michigan, 1970. Computer Sciences.
 Eugene Leonard Chez, B.S., Illinois Institute of Technology, 1956. Civil Engineering.
 Hyoo-Hyun Chung, B.S., Seoul National University, 1970. Chemistry.
 Carlee Cobb, B.S., Birmingham-Southern College, 1970. Chemistry.
 Michael Kane Cochran, B.A., Northwestern University, 1973. Biological Sciences.
 Dennis Cornhill, B.S., Pennsylvania State University, 1972. Computer Sciences.
 Edward Richard Crass, B.S., Northwestern University, 1973. Nuclear Engineering.
 Richard L. Crawley, B.S.E., Princeton University, 1968. Materials Science.
 Timothy Keup Dahlstrand, B.A., Northwestern University, 1971. Civil Engineering.
 Leonard George Davis, B.S., University of Illinois, 1969. Psychology.
 Renee Carol Demers, B.A., Northwestern University, 1974. Chemistry.
 Michael George Dinning, B.A., Northwestern University, 1972. Geography.
 Wayne D. Dominick, B.A., Illinois Institute of Technology, 1968. Computer Sciences.
 Dennis Michael Dooley, B.A., University of Alaska, 1972. Transportation.
 Thomas J. Dorst, A.B., Grinnell College, 1973. Biological Sciences.
 Carl William Eklund, B.S., Northwestern University, 1971. Civil Engineering.
 Theodore G. Erler III, B.S., University of Southern California, 1970. Civil Engineering.
 Robert Alan Ferlis, B.S., University of Illinois, 1970. Civil Engineering.
 Neil Douglas Ferrari, B.E., Manhattan College, 1972. Transportation.
 Jonathan Mark Fisher, B.A., SUNY at Binghamton, 1972. Transportation.
 Richard Fisher, B.S., Northwestern University, 1974. Chemistry.
 William S. Funk, B.S., Northwestern University, 1971. Computer Sciences.
 Karen Patton Garst, B.S., Northwestern University, 1972. Clinical Pathology.
 Craig A. Gaw, B.S., Northwestern University, 1970. Electrical Engineering.
 Kathryn Mary Gebhart, B.A., St. Louis University, 1972. Computer Sciences.
 William P. Gibbons, B.S., Northwestern University, 1973. Computer Sciences.
 Steven John Goetsch, B.S., Michigan State University, 1972. Civil Engineering.
 Pauline Kay Gogola, B.S., University of Illinois, 1973. Biological Sciences.
 Yaacov Gur, B.Sc., Technion Israeli Institute of Technology, 1966. Civil Engineering.
 Edward H. Hafer, B.S.E.E., University of California, 1970. Computer Sciences.
 Promod Haque, B.S., University of Delhi, 1969. Electrical Engineering.
 James Conrad Hartwig, B.S., Northern Michigan University, 1972. Transportation.
 George Raymond Henderson, B.S., U.S. Merchant Marine Academy, 1972. Transportation.
 Joan M. Herbers, B.S., University of Dayton, 1973. Biological Sciences.
 Lynn Duane Hoffland, B.A., Wartburg College, 1972. Chemistry.
 Kenneth M. Howell, B.A., University of Oklahoma, 1970. Transportation.
 Michael Eric Irrgang, B.S., University of Washington, 1972. Computer Sciences.
 Murray Stephen Jacobson, B.S., University of Illinois, 1969. Pharmacology.
 David L. Jaffe, B.S., University of Michigan, 1970. Biomedical Engineering.
 Scott Allan Jamieson, D.D.S., Northwestern University Dental School, 1972. Dentistry.
 Dale Charles Jessen, B.S., Northwestern University, 1973. Computer Sciences.
 Murzban D. Jhabvala, B.S., University of Rhode Island, 1973. Biomedical Engineering.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Hassaun Ali Jones-Bey, B.A., B.S., Syracuse University, 1972. Biomedical Engineering.
- Thomas William Kalinowski, B.S., Northwestern University, 1972. Civil Engineering.
- Robert Steven Kaplan, B.S., SUNY at Albany, 1972. Computer Sciences.
- Karen S. Katula, A.B., Miami University, 1973. Biological Sciences.
- Rodney S. Kenley, B.A., Wabash College, 1972. Biological Sciences.
- Pamela Khipple, B.S., University of Illinois, 1973. Biological Sciences.
- John Frederick Kirchmeyer, B.A., Carthage College, 1972. Mathematics.
- Yehoshua Kislev, B.S., Technion Israeli Institute of Technology, 1967. Civil Engineering.
- Kenneth Richard Kosnik, B.S., Northwestern University, 1969. Management.
- Evangelia G. Kranias, B.A., University of Chicago, 1970. Biological Sciences.
- Alan S. Lamme, D.M.D., University of Pittsburgh, 1970. Dentistry.
- Dennis Frank Lee, B.S., Bucknell University, 1972. Civil Engineering.
- David Michael Levinsohn, B.S., Cornell University, 1972. Civil Engineering.
- Gary Mitchell Lieberman, B.A., Northwestern University, 1974. Mathematics.
- William E. Linton, B.B.A., Nichols College, 1963. Transportation.
- Harry Sing Louie, B.S., Polytechnic Institute of Brooklyn, 1972. Chemical Engineering.
- Russell K. Lovaas, B.S., University of Wisconsin, 1963. Civil Engineering.
- Shu-Chien Lu, B.S., Shung-Cheng Institute of Technology, 1965. Electrical Engineering.
- Brenda Ruth Mack, B.A., Northwestern University, 1972. Computer Sciences.
- Robert Austin Mahoney, B.S., Loyola University, 1972. Physics.
- Richard Stanley Maisiak, B.S., University of Illinois, 1971. Psychology.
- Ana Maria Mantilla, B.A., University Nacional De Trujillo, 1971. Mathematics.
- Arthur Lonnie Masson, B.E.E., University of Detroit, 1970. Electrical Engineering.
- Brian E. McCollom, B.C.E., University of Minnesota, 1972. Civil Engineering.
- Frederick Micheau Scovil McConnel, B.A., University of North Carolina, 1964; M.D., 1968. Otolaryngology.
- Hal McKinley III, B.S., Lamar State College of Technology, 1968. Physics.
- Donald Pat Monaco, B.S., Northwestern University, 1973. Computer Sciences.
- Timothy Joseph Moore, B.S., University of Georgia, 1972. Geological Sciences.
- R. Scott Muirhead, B.S., Union College, 1968. Psychology.
- Frederick Christian Neal, B.S., St. Martin's College, 1969. Civil Engineering.
- Stephen Francis O'Byrne, B.A., University of Chicago, 1970. Mathematics.
- Yoshitaka Ochiai, B.S., Osaka University, 1972. Materials Science.
- Brian Patterson, B.S., Oregon State University, 1972. Computer Sciences.
- Norman Paul Pfortmiller, Jr., D.D.S., University of Detroit, 1970. Dentistry.
- Harold Samuel Primack, B.S., Illinois Institute of Technology, 1970. Chemical Engineering.
- David John Quesnel, B.E., SUNY at Stony Brook, 1972. Materials Science.
- Ranjan Raj, B.E., University of Mysore, 1970. Computer Sciences.
- Joseph Michael Ramstack, B.S., University of Notre Dame, 1972. Biomedical Engineering.
- Dadi D. Ratnagar, B.S., Indian Institute of Technology, 1972. Mechanical Engineering.
- Thomas Charles Ripley, B.S., Trinity College, 1967. Mechanical Engineering.
- David L. Rittenberg, B.S., University of California, 1972. Industrial Engineering.
- Stephen L. Roberts, B.A., California State Polytechnic University, 1970; M.A., 1972. Transportation.
- Antonio Vieira Rocha, B.S., Escola Politcnica da Universidade da Bahia (Brazil), 1965. Civil Engineering.
- Jerome Rock, B.E., University of Detroit, 1972. Civil Engineering.
- Lawrence Allen Rohrer, B.S., Notre Dame University, 1972. Mechanical Engineering.
- Elliot M. Schneiderman, B.S., SUNY at Stony Brook, 1973. Biological Sciences.
- Abraham Schreiber, B.S., Technion-Israeli Institute of Technology, 1967. Civil Engineering.
- Daniel Bruce Seebart, B.S., United States Military Academy, 1968. Electrical Engineering.
- Mary Jo Seibel, A.B., Smith College, 1970. Biochemistry.

NORTHWESTERN UNIVERSITY

- Robert Edward Shannon, B.S., Purdue University, 1972. Materials Science.
 Daniel Jay Shiel, B.S., Kansas State University, 1968. Civil Engineering.
 David Jay Shulan, B.A., Northwestern University, 1973. Biological Sciences.
 Aruna Singhvi, B.S., Jodhpur University (India), 1967; M.S., 1969. Biological Sciences.
 William John Skeens, B.S., Marquette University, 1970. Computer Sciences.
 Jarema John Skirnyk, B.A., Northwestern University, 1973. Biological Sciences.
 Gregory G. Smith, B.S., Massachusetts Institute of Technology, 1970. Materials Science.
 Ciro Dennis Sorrentino, B.S., University of Rochester, 1972. Chemical Engineering.
 Demetra K. Soter, B.A., Northwestern University, 1974. Chemistry.
 Mehmet Ugur Soyer, B.S., Bogazici Universitesi (Istanbul), 1973. Mechanical Engineering.
 Charles S. Spirakis, B.S., University of Illinois, 1969. Geological Sciences.
 Joshua David Staller, B.A., Brown University, 1971. Psychology.
 Gregory M. Stanley, B.S., Purdue University, 1971. Chemical Engineering.
 William Zave Steinberg, B.S., McGill University, 1969. Psychology.
 Richard Paul Steinmann, B.S., Lehigh University, 1972. Civil Engineering.
 Fred Jay Stevens, B.A., Hamline University, 1971. Physics.
 Pedro Antonio Suarez, B.A., Fordham University, 1966. Mathematics.
 Mark James Sullivan, B.S., Northwestern University, 1972. Electrical Engineering.
 Stanley Dorian Tarnecky, B.S., U.S. Merchant Marine Academy, 1971. Civil Engineering.
 Daniel D. Trauscht, B.A., St. Mary's College, 1970. Computer Sciences.
 Michael Francis Trentacoste, B.E., Manhattan College, 1972. Civil Engineering.
 Stephen Douglas Turney, B.S., SUNY at Buffalo, 1972. Electrical Engineering.
 David Mark Vrooman, B.A., Northwestern University, 1969. Management.
 Susan Floy Wagner, B.S., Northwestern University, 1971. Mechanical Engineering.
 Kenneth L. Waldram, B.S., University of Utah, 1972. Chemical Engineering.
 Richard G. Walz, B.S., University of Wisconsin, 1971. Civil Engineering.
 Pamela Schiavone Ward, B.S., University of Houston, 1971. Civil Engineering.
 Marianne H. Whatley, B.A., Radcliffe College, 1971. Biological Sciences.
 John Wielgus, B.A., University of Illinois, 1969. Biological Sciences.
 Joseph Lewis Wilkinson, B.A., Northwestern University, 1974. Chemistry.
 Claire Jackson Wyatt III, A.B., University of North Carolina, 1971. Transportation and Industrial Engineering.
 Tsung Sheng Yang, B.S., Chung Cheng Institute of Technology, 1966. Electrical Engineering.
 Kye Sup Yoon, B.S., Seoul National University, 1967. Civil Engineering.
 Philip Zazove, B.A., Northwestern University, 1973. Biological Sciences.

THE DIPLOMAS

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by DEAN HANNA H. GRAY

DIPLOMA IN ARTS AND SCIENCES

Robert Frederick Benson
Marie-Therese Burns
Carrie Elizabeth Conrad
Dolores Engler
Leah Rozen Hafkin
Cathy Howell Harris
Annabelle Martha Louise Kamps
Susan Barbara Kisgyörgy

Khosravian
Darlene Mildred Kofink
Dolores Joan Lederer
John Hiroo Mukoyama
Carlos Oscar Muriel
Nancy Ann Obenchain
Patricia Rose Vargo
Frederick Howard Wendler

THE DENTAL SCHOOL

Candidates presented by DEAN NORMAN H. OLSEN

DIPLOMA IN DENTAL HYGIENE

Nancy Freeman Andruss
Ellen Janine Deal
Regina Delgado
Debra J. Dick
Deborah Elaine Emary
Ellen D. Gold
Betty Ann Harris
Judith H. Hodson
Barbara Ann Huntington
Janis Jill Jefferies
Katherine Jan Lecklider
Marina Lordis
Anita Maureen Luecke
Esther Lois Mader
Vivian Jan Merlin
Marianne L. Mueller

Melanie Jane Munro
Christyn Joy Noorda
Debra Lee O'Connell
DeAnne Elizabeth Owen
Isabel C. Peterson
Martha Faye Potter
Christine E. Ragan
Jan Roman
Karen Sue Ronning
Judith Kay Schroeder
Frances Tagalakis
Mary Virginia Thomas
Paula Vogel
Elizabeth Marie Zelazo
Debora N. Zellner
Lynn Rae Zinkowski

THE TRAFFIC INSTITUTE

Candidates presented by DIRECTOR JAMES M. SLAVIN

DIPLOMA IN TRAFFIC POLICE ADMINISTRATION

John P. Anderson	Donald P. Lantz
Verlin G. Archer	Robert J. Long
John R. Armer	Thomas L. Lowes
Billy A. Baker	Donald G. Lutrick
George J. Banks, Jr.	Charles B. McGlinchey
Robert A. Barefoot	Patrick J. McMahon
Joseph P. Beazley	Donald A. Mack
Richard W. Bell, Jr.	Floyd R. Mangum
John J. Bergin	Maurice J. Martin
Ronald L. Billingsley	George B. Mijares
Robert J. Brandt	F. Kevin Mulderrig
Ray J. Bryan	Do Chieu Nam
John D. Burton	Edward D. Nastek
James V. Byrd	Paul W. Nelson
Francis M. Callahan	Thomas M. Newman
Phillip A. Clark	Raymond C. Niepert
John H. Cleghorn	Edward E. Olson
Lester Cooley, Jr.	Paul H. Olson
Robert E. Cox	Mark S. Parish
Louis R. Dempsey	William E. Peaslee
Leonard G. Deynzer	LaVerne F. Pickett
Ruben Diaz Rivera	Stephen C. Pilant
Carl Dobbs	Larry M. Puckett
Ngo Dong	Ronnie E. Rash
Duane R. Dow	John T. Reim
Harry M. Durham	Morris A. Robertson
James B. Eaves	Vincent J. Senatore
Robert R. Einsel	Gene E. Sergent
Fred Engelbrecht	Donald R. Spencer
Richard E. Foor	William P. Spina
James J. Gallagher	Clinton D. Spurlock
Wallace H. Gehrke	James S. Stampnick
Robert E. Gilbert	Alden Stockebrand
Otto A. Girouard, Jr.	Howard M. Thiele
Charles T. Glass, Jr.	Norman R. Truesdale
Juan J. Gonzalez Febre	Lee R. Tubbesing
John G. Greene	Korrin E. Turley
Andreas E. Hantwerker	Aristides Valdonedo
Robert S. Harris	Donald J. Van Meter
Donald F. Henry	Leroy J. Victorine
James V. Heyden	James H. Walker
Eric K. Isom	James B. Wallace
Everett M. James	Fred H. Walton
Richard J. Kildahl	Neile C. Williams
Ovide L. LaBerge	T. Jerry Workman

THE COMMISSIONS

COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVY

Robert Raymond Bailey III
Mark Thomas Brown
Colin Bruce Donovan

John William Green III
James Albert Larson

COMMISSIONS AS ENSIGN, CORPS OF ENGINEERS, U. S. NAVY

Richard Scott Huebner

Louis George Neudorff II

COMMISSION AS ENSIGN, SUPPLY CORPS, U. S. NAVY

Mark Isadore Rubin

DEGREES GRANTED

since June 1973

Academic Year 1973-74

DOCTOR OF MEDICINE

Lawson Alozie Akpulonu	Philip James Konecny
Thomas John Anderson	Robert James LaCava
Sahag A. Arslanian	*Robert Coleman Master
Bruce Samuel Bauer	John Joseph McGillen
Dennis Robert Blaha	Daniel Lawrence McLachlan, Jr.
David Allan Blum	George Eckert McLain, Jr.
Stephan John Cisternino	Robert Allan McSay
Fred Hughes Coleman III	Steven Jay Scheer
John Craig Cotchett	Harry Sendzischew
John Thomas Daugirdas	Joseph Conner Sheehy
James Anthony Gianfrancisco	David Jan Skorton
Steven Charles Hall	Judith L. Stiff
Henry Michael Heller	Mabel Amstutz Sutter
Stephen Minoru Hirasuna	Paul Marc Umof
Robert Francis Hofmann	Susan Munson Urbatsch
Richard Glenn Jaeger	Kyle Reece Ver Steeg
Leslie Ann Kennedy	Robert Edmund Zaworski
Howard Arthur King	

MASTER OF LAWS

Wayne Walter Schmidt, J.D., Oklahoma City University Law School, 1966.

JURIS DOCTOR

Alan Frederick Barton	†Timothy Martin Misna
Scott Lee Belford	Owen Harvey Orndorff
Rashidul Zafar Choudhry	Gary James Passarino
†Jack Clifton Dailey	Cassandra Gay Sasso
†JoAnne Urban Ganobcik	Keith Philip Schoeneberger
David William Gassman	Stephen Jay Senderowitz
Mark Joseph Gregorich	Rochell Stallworth
Mary Kathryn Krigbaum	†Mark Hugh Verwys
Hugh Frank McKnight	

DOCTOR OF DENTAL SURGERY

Stanley Glen Biel	William M. Loftus
Larry M. Coffee	Robert C. Ludemann
Michael Andrew Damko	Charles T. Miller III
Gary Norman Dunckel	Glenn Y. Miyamoto
Paul Fajgenbaum	Bruce William Schindles
James Chester Gargas	William Paul Strueh
James L. Garrett	

**With distinction*

†*Cum laude*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

MASTER OF SCIENCE IN JOURNALISM

Walter Peter Belback, B.S.J., Northwestern University, 1973.
 Bruce Joel Evensen, B.S.J., Northwestern University, 1972.
 Fletcher Franklin Farrar, Jr., B.S.J., Northwestern University, 1971.
 Joseph Thomas Garrity, B.S.J., Northwestern University, 1973.
 William Stanley Kaczor, B.S., Eastern Illinois University, 1968.
 Mahedi Juma Kassam Lalani, B.A., Hampton Institute, 1972.
 Winston James O'Neal, Jr., B.S.J., Northwestern University, 1970.
 David Philip Ropeik, B.S.J., Northwestern University, 1972.
 George Tait Sauerberg, B.S.J., Northwestern University, 1972.
 Toby Ann Smith, B.S.J., Northwestern University, 1973.
 John Bernard Tackaberry, B.A., DePaul University, 1970.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Edward Carl Frelka

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Christopher L. Mierzwa

Eric Anton Nering

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Eric M. Yoshizawa

Summer Session 1973

BACHELOR OF ARTS

Barbara Jean Adams	Lawrence Edward Grisham
Victor Antonio Anderson	Craig Leonard Gunderson
Daniel Sarkis Apyan	Douglas Mark Hardy
Richard Joseph Balocca	Gregory Thomas Harper
David Robert Bassindale	Elizabeth Ann Hecht
Ruth Ellen Belda	William Joseph Herrick
Janet Beam Bilsky	Gerald David Horn
Susan Kearby Bon	Michael Gordon Horner
Christopher William Bowman	Pamela Anne Hughley
Denise Rita Briggs	Vivian Joy Perlmutter Hulkower
John Peter Byrne	Rebecca Lynn Johnson
Esmeralda Cabrera	Anne Sperry Jordan
Malcolm Carrington III	Martha Jane Joyce
Caroline McAllister Cleaver	Anne Clifford Knipper
Jean Marie Corvine	Elene Margot Kolb
Virginia Stella Czarnecki	Roberta Ellen Laffey
Larry Allen Davis	Amy Risa Land
Louise Hicks Dixon	*John Joseph Lawlor
Elizabeth Maude Kelly Domin	Robert George Lemen
Kenneth Daniel Devine	Charles Marc LeVine
Daniel Jay DeWitt	James Robert Liebling
Neal Thomas Foley	Barbara Gale Logan
Richard Michael Forster	Rodolfo Gregory Madlang
Greg Gardner	Joseph Vinson Martin
Arden Joel Geldman	Sandra Jeanne Martin
Rhea Elaine Georgoulis	Alan Morrison Mays
Craig Dale Geoppinger	Mary Davidson McConahay
Howard Barry Goldberg	Mary-Lynn Mitchell
†Jerrold Goldman	Robert Humbert Morris
Steven Goon	*Dolores Florence Morvice

*With highest distinction

†With distinction

NORTHWESTERN UNIVERSITY

Mary Pamela Munson
Sally Hughes Newton
Bruce Mitchell Nudell
Lynne Werner Olsho
Joseph Nir Pappo
Burley Alphonso Patterson
Miriam Jacoby Polski
Edna Kathryn Puckett
Sharon Lee Radetsky
Julia Marilena Restea

Pamela Jean Richards
Gary Steven Schermer
Ron David Schiff
Edgar Ames Shelton
Victor Albert Stajduhar
Gregory John Stull
Everett Clarence Wallace
Barbara Anne Wenzel
Carolyn White
Susan Janet Wolin

BACHELOR OF PHILOSOPHY

Peter James Burns
Neil Winfield Childs
Patricia Ann Daniels
Craig Phillip Gibbs
Ronald Scott Hedelius
Katherine Elizabeth Keefe
Karen Ann Mehaffey

Kathleen Ann Oakley
Shirley Tsuyako Onodera
Dennis Robert Pieper
Gayle Guthrie Pucinski
Kathryn Elizabeth Sieberman
Philip Frank Smolik
Maxine Leone Weksler

BACHELOR OF SCIENCE IN GENERAL EDUCATION

Orson Martin Bangert
Jack Jarouce Carr
Roderick Telesphor Hitchcock

Robert Clarence Kallwitz
John Robert McNamara
William Russell

MASTER OF LAWS

Ibrahim Joseph Onyinkwa, H.S.C., Kenyatta College, 1966; LL.B., University College Dar-es-Salaam, 1970.

JURIS DOCTOR

Stephen Joseph Broussard
James Charles Dinan
Robert William Faithful IV

†Robert Alan Garrett
Ralph Reyna
†David Mark Rosenthal

BACHELOR OF SCIENCE IN SPEECH

Annette Bamberger
Glen Cameron Becker
Patricia Dunsmore Cloud
Smiley Keith Collins
Lawrence James Comstock
Daryl Arthur Danielson, Jr.
Deborah Kathleen Dillon
Patricia Lynn Dunbar
Robert Paul Dunham
Wendy Fran Goldman
Judith Anne Goodman
Arnold Larry Greenberg
Mary-Jo Hall
Victoria Gene Hamburg
Cheryl Denise Harris

Audrey Margaret Hutti
Brian Joseph Kenefick
Wendy Jean Kheel
*Raymond Lawrence Kook
Robert Arthur Lasiewicz
Charles Hanson Leber
Laurie Jean Levit
Barbara Anne Majors
Mary Cay Roberts
James Royall Robertson
Catherine Mary Schickler
Kris F. Slava
Theresa Sudol
Kent Pierce Waters
Irwin Benjamin Wilensky

†*Cum laude*

**With distinction*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

DOCTOR OF MUSIC

- Benn Gibson, B.M., Oberlin Conservatory of Music, 1962; M.M., Northwestern University, 1964. Organ Performance. Written Projects: The Organ Works of Max Reger; Problems Involved in Their Performance; One-Manual Organs, A Historical Survey; One-Manual Organs—A Handbook.
- Sue McGehee Gilvin, B.M., University of Louisville, 1947; M.M., Northwestern University, 1963. Voice Performance. Written Project: The Alto Solo Cantatas of J.S. Bach; Francis Poulenc's Melodies—A Mastery of Vocal Writing; Schumann Song Cycles—Frauenliebe und Leben.
- Albert John Holstad, B.S., Northern State Teachers College, 1960; M.M., Northwestern University, 1962. Piano Performance. Written Projects: The Ballades of Chopin, Liszt, Brahms, and Grieg; A Study of the Major Variations of Beethoven's Second Creative Period; The Piano Sonatas of Charles T. Griffes and Ernest Bloch.
- Robert Henry Reeves III, B.M., Greensboro College, 1963; M.M., Northwestern University, 1964. Organ Performance. Written Projects: A Canon in the Organ Works of J. S. Bach (A Complete Analysis of Four Compositions); The Italian Influence in the Toccatas of G. Muffat and D. Buxtehude; The German Organ Sonata in the 19th and 20th Centuries.

MASTER OF MUSIC

- Cecil Knette Adams, Jr., B.M.E., Evangel College, 1971.
- Susan Mehlfhausen Artabasy, B.M.E., Northwestern University, 1969.
- Lesley Margaret Bollinger, B.M., Northwestern University, 1970.
- Thomas Lee Bruning, B.A., Augustana College, 1971.
- Mary Robertson Bryant, B.A., Maryville College, 1972.
- William Donald Callahan, B.M., B.M.E., University of Cincinnati, 1971.
- Zelda Cohen, A.B., Washington University, 1971.
- Dennis Alan Danders, B.M.E., Wichita State University, 1967.
- Bruce Duffie, B.M.E., Illinois Wesleyan University, 1972.
- Kirstie Lynn Felland, B.M., Wartburg College, 1972.
- Michael Robert Fisher, B.M., Lawrence University, 1968.
- David Green, B.M.E., Northwestern University, 1973.
- William Dan Hardin, B.M., Mars Hill College, 1972.
- Ronald William Hounsell, B.M., University of Wisconsin, 1968.
- Robert Warren Jenkins, B.M.E., University of Nebraska, 1972.
- Elizabeth La Grande Johnson, B.M.E., Augustana College, 1970.
- Barbara Lynn Klingman, B.A., Hiram College, 1971.
- Doris May Lam, B.M.E., Peabody Conservatory of Music, 1972.
- Barbara Jean Langston, B.M.E., American Conservatory of Music, 1959.
- Nancy Lee Neumann, B.A., Augsburg College, 1969.
- Omer Earl Reese, B.M.E., American Conservatory of Music, 1965.
- Carol Lynn Roseberry, B.M., Northwestern University, 1971.
- Levenis Smith, B.S., Illinois State University, 1972.
- Hollis William Thoms, B.A., Concordia Teachers College, 1971.
- Eric Dean Tippitt, B.M.E., Roosevelt University, 1968.
- Judith Elaine Tuhy, B.S., Eastern Illinois University, 1961.
- Joseph Irwin Warner, B.M., Washburn University, 1972.
- Sharon Ann Werning, B.S.E., Concordia Teachers College, 1970.

BACHELOR OF MUSIC

Jan Remer Austin
Dolores Ruth Daigle

Roger Elliot Parris

BACHELOR OF MUSIC EDUCATION

Linda Joy Gibson
Pamela Jean Wyzgala

NORTHWESTERN UNIVERSITY

MASTER OF MANAGEMENT

Day Program

- David Gronbech Harlow, B.S., Brigham Young University, 1972.
*§†Robert Martin Pratzel, B.S.B.A., Washington University, 1972.

Evening Program

- John Whitworth Gannon, B.S.E.E., Northwestern University, 1970.
John Edward McGrath, B.S., Eastern Illinois University, 1968.
Gary Robert White, B.S., St. Louis University, 1971.
Donald Edward Wolniak, B.S.M.E., Purdue University, 1967.

MASTER OF BUSINESS ADMINISTRATION

Day Program

- *§†Frederick Morton Fenig, A.B., University of Illinois, 1965.
Raymond Walter Keller, Jr., B.A., Lake Forest College, 1965.
*§†Peter Otto Schulz, A.B., Harvard College, 1967.

Evening Program

- Les Adams, B.S.B.A., Roosevelt University, 1969.
Peter John Austgen, B.S., Purdue University, 1971.
Thomas A. Beasley, B.B.A., Northwestern University, 1970.
Thomas Stephen Costello, B.S.E.E., University of Illinois, 1969.
Donald Allan Cox, B.S.I.E., Northwestern University, 1966.
John Gordon Forsythe, B.A., Loyola University, 1969.
Robert John Goetz, Jr., B.S.Ag.E., 1965, B.S.M.E., 1966, University of Wisconsin.
Thomas Jacob Haller, B.S., University of Pennsylvania, Wharton School, 1967.
*Kent Davis Hertzling, B.S., University of Michigan, 1970.
Mabel A. Hoffman, B.S.B.A., University of the Philippines, 1964.
Mu Jung Kim, B.B.A., Sogang Jesuit University, Seoul, Korea, 1968.
Michael Lee O'Rourke, B.S., Southern Illinois University, 1968.
William Anderson Osborn, B.A., Northwestern University, 1969.
Daniel M. Perkins, B.S., University of Illinois, 1969.
Thomas F. Valiga, Jr., B.S., Western Illinois University, 1967.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Michael John Carrera

BACHELOR OF SCIENCE IN JOURNALISM

David Ross Favrot
Karen Ann Friess
Thomas Clark Hayes
Judith Ellen Newman

BACHELOR OF SCIENCE IN EDUCATION

Lynn Susan Anderson
Michele Rene Blitstein
Rebecca Jane Colvin
Mark Stephen Gregory Fassbender
Rial Merlin Flesher
Lillian Grace Kacyn
Susan Lynn Paddor
Prudence Ann Page
Joy Ann Swickard

*With distinction

§Beta Gamma Sigma

†Distinguished Scholar

THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

- Barry James Adams, B.Sc., University of Manitoba, 1969; M.S., Northwestern University, 1971. Civil Engineering. *Regional Wastewater Management: A Water Quality Evaluation of System Centralization.*
- Surendra Kumar Agarwal, B.Tech., Indian Institute of Technology, 1970; M.S., Princeton University, 1971. Civil Engineering. *Optimizing Techniques for the Interactive Design of Transportation Networks Under Multiple Objectives.*
- Jeffrey Brooke Allen, B.A., University of North Carolina, 1966. History. *The Debate Over Slavery and Race in Ante-Bellum Kentucky, 1792-1850.*
- Eduardo Eugenio Alonso, Eq. of B.S., Ingenieros De Caminos (Madrid), 1969. Civil Engineering. *Application of Random Function Theory to Settlement Problems in Soil Engineering.*
- Bruce Morgan Anderson, B.S., Northwestern University, 1964; M.S., Purdue University, 1966. Electrical Engineering. *Polynomial Matrices—Applications to Synthesis and Analysis of Linear Multivariable Systems.*
- Gerald Ray Anderson, A.B., Morningside College, 1963; M.A., Northwestern University, 1969. Philosophy. *Social Development and the Problem of Self-Determination, With Special Emphasis on the Philosophies of Hegel and Marx.*
- Janice Kay Anderson, B.A., DePauw University, 1967; M.S., Northwestern University, 1972. Industrial Engineering. *Evaluation as a Process in Social Systems.*
- Rick J. Ashton, A.B., Harvard University, 1967; M.A., Northwestern University, 1969. History. *The Loyalist Experience: New York, 1763-1789.*
- Kodjopa Attah, B.Sc., University of Ghana, 1968; M.S., University of Cincinnati, 1970. Geological Sciences. *Metamorphic Reactions in the Michigan Formation, Iron County, Michigan.*
- Anne Forster Avery, B.S., Northwestern University, 1961; M.A., University of Colorado, 1963. Education. *An Analysis of Changing Environmental Perceptions of Freshmen Living in Single Class, Mixed Class, and Coeducational Residence Halls.*
- Helen Elisabeth Beale, B.A., University of California, 1967; M.A., Northwestern University, 1969. Anthropology. *Real Pretending: An Ethnography of Symbolic Play Communication.*
- Aharon Ben-Tal, B.A., Tel Aviv University, 1970; M.A., 1972. Applied Mathematics. *Contributions to Geometric Programming and Generalized Convexity.*
- Virginia Ashton Berman, B.A., Pennsylvania State University, 1969; M.A., Northwestern University, 1972. Psychology. *The Motive to Avoid Success: A Test of Basic Assumption.*
- Z. Samuel Bernstein, B.S., University of Chicago, 1969; M.S., Northwestern University, 1971. Mathematics. *Generalized Cohomology with Local Coefficients and Equivariant Thom Classes.*
- Partha Sarathy Bhattacharyya, B.Sc., Delhi University (India), 1966; M.Sc., 1968. Physics. *A Theory of Many Component Interacting Fermi Systems.*
- Joseph Alfred Blake, B.A., Florida Atlantic University, 1967; M.A., Northwestern University, 1969. Sociology. *The Relationship of Changes in the Trucking Industry, Truck Driving as an Occupation, and the International Brotherhood of Teamsters to the Emergence of a Rank-and-File Movement of Truck Drivers in the late 1960's.*
- Joanna Kay Bowers, B.S., Central State University, 1966; M.S., University of Dayton, 1970. Education. *Differentiated Staffing: A Proposed Model for Urban Elementary Schools.*
- W. Stewart Buettner, B.A., Virginia Military Institute, 1964. Art History. *American Art Theory: 1940-1960.*
- Stephen Alan Buff, B.A., Colgate University, 1964; M.A., Northwestern University, 1968. Sociology. *Labeling, Teenage Careers, and Adult Socialization Among White Working Class Youth.*
- Americo Bugliani, B.A., Roosevelt University, 1966; M.A., 1969. Spanish. *La Presenza di D'Annunzio in Valle-Inclán.*

NORTHWESTERN UNIVERSITY

- Juan A. Bustillo M, Eq. of B.A., Catholic University of Bello (South America), 1963; M.P.A., Indiana University, 1965. Management. *Managerial Technology, Visibility of Consequences and Organizational Efficiency.*
- Richard John Butler, B.Sc., University of Southampton (England), 1962; M.Sc., University of Loughborough (England), 1968. Management. *Power, Technology, Inter-Role Relations and Role Characteristics: A Study of User-Support Function Relations in NASA.*
- David Ferdinand Cahen, B.Sc., Hebrew University (Jerusalem), 1969; M.S., Northwestern University, 1970. Chemistry. *Platinum Chain Compounds: Part A. Platinum Bronzes; Part B. Platinum Cyanides and Other Chain Complexes.*
- Mark Joel Carter, B.S., University of Illinois, 1969. Chemistry. *Cobalt (II) Schiff Base, Macrocyclic and Porphyrin Complexes as Models for Natural Oxygen Carriers.*
- Rong-Hwan Chang, B.S., National Taiwan University, 1967; M.S., Northwestern University, 1971. Materials Science. *Sulfur Diffusion in NiO, CoO, d-Al₂O₃ and δ-Cr₂O₃.*
- Stephen Gilbert Chappell, B.E.E., Georgia Institute of Technology, 1969; M.S., Northwestern University, 1971. Computer Sciences. *Automatic Test Generation for Asynchronous Digital Circuits.*
- Kanwarjit Singh Chawla, B.Tech., Institute of Technology, 1969; M.E., University of California, 1971. Civil Engineering, *Effect of Fabric on Creep Response of Kaolinite Clay.*
- Roger J. Chilewski, B.A., Christian Brothers College, 1966; M.S., Illinois Institute of Technology, 1968. Education. *Consistency of Strategies Across Mathematical Structures and Embodiments.*
- Jung W. Cho, B.A., Seoul National University, 1964; M.S., University of Wyoming, 1968. Computer Sciences. *Density Plateau Seeking for Clustering Analysis.*
- Larry Lee Christopherson, B.M., University of Montana, 1964; M.M., Northwestern University, 1968. Music. *Teaching African Music with the Aid of Video Taped Performances and Demonstrations by African Musicians.*
- Claudia Ralbovsky Collin, B.S., St. Bonaventure University, 1961; M.A., New York University 1964. Speech. *Semantic Aspects of Normal and Syntactically Deviant Children.*
- Robert Alan Cooke, B.S., Illinois Institute of Technology, 1969. Management. *Developing the Educational Organization: An Assessment of a Collective Decision Intervention.*
- Peter J. Copek, B.S., Loyola University, 1967; M.A., Northwestern University, 1969. English. *The Five Towns Novels of Arnold Bennett: A Response to Industrial Society.*
- Samuel C. Creason, A.B., Chico State College, 1959; M.S., Sacramento State College, 1969. Chemistry. *Electrochemical Applications of Minicomputers. Part I: Fourier Transform Faradaic Admittance Measurements. Part II: A Digital Sampling Technique Applied to Cyclic Voltammetry.*
- John Michael Cummins, B.A., University of North Carolina, 1967; M.A., Northwestern University, 1969. Economics. *Cost Overruns in Defense Procurement: A Problem of Entrepreneurial Choice Under Uncertainty.*
- James Arthur Darragh, B.A., California State College, 1967; M.S., Northwestern University, 1971. Mathematics. *Epimorphisms of Commutative Rings.*
- Omar Lloyd Davies, B.A., University of the West Indies, 1968; M.S., Northwestern University, 1970. Geography. *Some Properties of Optimal Facility Location Under Varying Pricing and Demand Conditions.*
- Bernard DuBois, Eq. of B.A., University of Paris, 1969. Management. *A Comparative Analysis of Brand Image and Brand Preference Models and Measurement Methods.*
- Elizabeth Helsing Dull, B.F.A., University of North Carolina, 1967. Art History. *The Domestic Architecture of Oak Park, Illinois, 1902-1930.*
- Davie Eimerl, B.A., Brasenose College (Oxford), 1969. Physics. *Estimation of the Vacuum SU(3) Breaking, and Investigation of Second Class Effects in Semileptonic Hyperon Decays, and Radiative Corrections to $\epsilon \pm \rightarrow \Delta c \pm \nu$ Decays.*
- David I. Falk, B.A., The Pennsylvania State University, 1968; M.S., Northwestern University, 1970. Psychology. *Roles and Strategies for the Evaluator in Ongoing Social Programs.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Mohammed Hassan Farzin, B.S., University of Tabriz (Iran), 1964; M.S., Tufts University, 1970. Civil Engineering. *Nonlinear Soil Behavior and its Effect on Soil-Structure Interaction.*
- Mark Lewis Feldman, B.A., Northeastern Illinois State College, 1969; M.A., Northwestern University, 1971. Speech. *The Relative Effects of Verbal Dogmatism and Attitudinal Similarity on Interpersonal Attraction.*
- Lawrence Edgar Fisher, A.B., University of California, 1968; M.A., Northwestern University, 1969. Anthropology. *The Imagery of Madness in Village Barbados.*
- Jeremiah Floyd, B.S., Allen University, 1956; M.A., Northwestern University, 1960. Education. *A Study of Displaced Black High School Principals in the State of South Carolina: 1963-1973.*
- Warren Robert Franczyk, B.Ed., Chicago State University, 1963; M.Ed., Northeastern Illinois State University, 1966. Education. *A Field Study that Analyzes the Verbal Interaction Process of Participants in Decision-Making Situations During District Education Council Meetings in Chicago.*
- Chester Stone Gardner, B.S., Michigan State University, 1969; M.S., Northwestern University, 1971. Electrical Engineering. *Optical Wave Propagation in Random Media.*
- Mark Joshua Gehrie, B.A., Brandeis University, 1969; M.A., Northwestern University, 1970. Anthropology. *Sansei: An Ethnography of Experience.*
- Dilip N. Ghosh Roy, B.E.E., Jadavpur University (Calcutta), 1961; M.M.E., 1965. Mechanical Engineering. *Vacuum Ultraviolet Spectroscopic Measurements of Continuum and Line Radiation from an Argon Plasma Generated in a Free-Burning Arc.*
- Elizabeth-Louise Girardi, A.B., Wellesley College, 1952. Biological Sciences. *The Genus OSTODES (Mollusca, Gastropoda) in Western Samoa.*
- Sally Pinkstaff Glickman, B.A., Miami University, 1969; M.S., Northwestern University, 1971. Physiology. *An Evaluation of Convective Transport of Urea and Glucose Across Rat Small Intestine IN VIVO.*
- Michael Arthur Goldberg, B.A., University of Michigan, 1968; M.B.A., Northwestern University, 1970. Management. *The Direct Investment Decision of a Multinational Firm: With an Empirical Application to International Banking.*
- Philip E. Graves, A.B., Indiana University, 1968. Economics. *The Increasing Relative Risk Aversion Hypothesis.*
- Gerald Enoch Gray, B.S., San Francisco State College, 1967; M.B.A., University of California, 1970. Management. *A Simulation Model of Small Commercial Banks Based Upon External Consumer Demand Functions.*
- Steven L. Greenfield, A.B., Drake University, 1964; M.A., Roosevelt University, 1967. Education. *The Application of the First and Fourteenth Amendments to the United States Constitution to the Legal Rights of Students.*
- Mary Patricia Haley, B.A., Clarke College, 1959; M.A., University of Iowa, 1967. Speech. *SIX30—Some of the News Some of the Time: A Case Study of Minority Access to Television.*
- Harrison B. Hall, A.B., University of California, 1970. Philosophy. *Scepticism and Perceptual Faith.*
- Sang En Han, B.Th., Hankuk Theological Seminary, 1964; B.D., Missouri School of Religion, 1968; M.A., Northwestern University, 1971. Religion. *A Study of Social and Religious Participation in Relationship to Occupational Mobility and Self-Esteem Among Korean Immigrants to Chicago.*
- Bruce N. Harmon, B.S., Illinois Institute of Technology, 1968; M.S., Northwestern University, 1969. Physics. *Conduction Electron Polarization, Spin Densities, and the Neutron Magnetic Scattering in Ferromagnetic Gadolinium.*
- James Lloyd Hein, B.A., Northern Michigan University, 1964; M.S., University of Michigan, 1966. Mathematics. *The Convertibility of Ext.*
- Thomas J. Hennessey, A.B., Boston College, 1967. History. *From Jazz to Swing: Black Jazz Musicians and Their Music, 1917-1935.*
- William A. Hetzner, B.S., University of California, 1965; M.S., Northwestern University, 1969. Industrial Engineering. *An Analysis of Factors Influencing the Transfer of Technology from DOD Laboratories to State and Local Agencies.*
- Laurence McMurrin Hilton, B.A., University of Utah, 1969; M.A., 1970. Speech. *A Radiocephalometric Investigation of Orofacial Skeletal Morphology in a Frontal Lipping Orthodontic Population.*

NORTHWESTERN UNIVERSITY

- James Oran Huff, B.A., Dartmouth College, 1967; M.A., Northwestern University, 1969. Geography. *A Dynamic Model of Population Redistribution Within a Central Place Hierarchy.*
- Giorgio Inzerilli, Eq. of B.A., Politecnico of Milan, 1962; M.B.A., Northwestern University, 1966. Management. *The Expert-Client Relationship in Organizational Environments.*
- Luis Iscla Rovira, S.T.L. Heythrop College (England), 1950; M.A., Loyola University, 1967. Spanish. *Una Edición Crítica de LA VIRGEN DE LOS REYES de Hipólito de Vergara Cotejada con LA REINA DE LOS REYES de Tirso de Molina.*
- Vivian Ramona Ivery, B.A., Rosary College, 1960; M.Ed., DePaul University, 1966. Education. *A Study of the Problems of Urban Disadvantaged Students.*
- Jerry Eugene Johnson, B.Ed., Chicago State University, 1964; M.Ed., Loyola University, 1968. Education. *An Investigation of Some Teacher Characteristics and Attitudes Associated with Acceptance of a Parental Social-Intervention Technology.*
- Janice S. Jones, B.A., University of Colorado, 1969; M.A., Northwestern University, 1970. Speech. *Metaphor and Poetic Structure in the PREPARATORY MEDIATIONS by Edward Taylor.*
- Daniel Jurca, B.S., University of Chicago, 1964; M.S., Northwestern University, 1968. Mathematics. *Obstructions to Desuspending a Complex.*
- John F. Kennan, B.A., University College (Ireland), 1968. Economics. *Theories of Factor Demand of a Competitive Firm with Adjustment Costs and Stochastic Prices.*
- Dale O. Knudson, B.A., Concordia College, 1963; M.A., Bowling Green State University, 1966. Computer Sciences. *Elimination of the Functional Reflexivity Axioms in Unit Refutation Proofs.*
- Marilou McNally Kollar, B.A., Pennsylvania State University, 1968; M.A., Northwestern University, 1973. Psychology. *The Beautiful is Rotten Phenomenon: A Negative Stereotype of Physical Attractiveness.*
- Jeffrey Steven Kristoff, B.S., Purdue University, 1968. Chemistry. *The Interaction of Group III Lewis Acids with Transition Metal Carbonyls and Their Derivatives.*
- Larry J. LeBlanc, B.S., Loyola University, 1969; M.S., Northwestern University, 1971. Industrial Engineering. *Mathematical Programming Algorithms for Large Scale Network Equilibrium and Network Design Problems.*
- Hyo Koo Lee, B.A., Sogang University (Korea), 1967; M.A., Northwestern University, 1971. Economics. *An Econometric Model of Korea: 1959-1970.*
- Norman Douglas Lees, B.A., Providence College, 1967. Biological Sciences. *Restriction and Modification of Bacteriophage and Bacteriophage DNA in BACILLUS STEAROTHERMOPHILUS.*
- Richard Gregory Lewis, B.S., Clarion State College, 1966; M.Ed., University of Pittsburgh, 1968. Speech. *Short-Term Auditory Memory Ability in Hard of Hearing Children.*
- Lin Wen-Hsiung, B.S., Fu-Jen Catholic University (Taiwan), 1968. Mathematics. *An Adams Type Spectral Sequence for Non-normal Hopf Subalgebra of a Hopf Algebra with Application to Steenrod Algebra.*
- Rosemary Linzer, B.A., Alverno College, 1966; M.S., Northwestern University, 1971. Biological Sciences. *The Biosynthesis of Teichoic Acid: A Role for the D-Alanine Activating Enzyme.*
- Spyridon B. Litsas, B.S., University of Athens (Greece), 1968. Chemistry. *Approaches to the Stereoselective Synthesis of Functionalized Acyclic Olefins.*
- Henri Raymond Lorie, Eq. of B.A., Catholic University of Louvain, 1969; M.A., Northwestern University, 1971. Economics. *Fixed Transaction Costs and the Existence of Monetary Equilibria.*
- Timothy Joe Lowe, B.S., Iowa State University, 1965; M.E., 1967. Industrial Engineering. *The Market Area Problem.*
- Suzanne Major, B.A., University of Rochester, 1967; M.Ed., Loyola University, 1970. Speech. *Parental Ratings of Language Abilities in Preschool Children.*
- Martin David Matthews, B.S., Allegheny College, 1960; M.S., West Virginia University, 1963. Geological Sciences. *Flocculation as Exemplified in the Turbidity Maximum of Acharon Channel, Yukon River Delta, Alaska.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- John Winston Mayne, Jr., B.S., Carleton University, 1966; M.A., University of Western Ontario, 1967. Industrial Engineering. *On the Location and Design of Consumer-Serving Urban Systems.*
- Keith Robert McLaren, B.Ec., Monash University (Australia), 1969; M.Ec., 1970; M.A., Northwestern University, 1971. Economics. *Spectral Methods in Economic Theory.*
- José Luiz Pereira de Melo, B.A., Federal University of Minas Gerais (Brazil), 1968; M.A., Northwestern University, 1970. Political Science. *Brazilian Students in the United States: A Study of Change in Political Orientation.*
- Ernesto Méndez y Soto, Eq. of B.A., University of Havana, 1960; M.A., Roosevelt University, 1967. Spanish. *Panorama de la Novela Cubana de la Revolución (1959-1970).*
- Anita Miller, B.A., Roosevelt University, 1948; M.A., Northwestern University, 1965. English. *Bibliography of the Periodical Writings of Arnold Bennett, 1893-1932.*
- David Charles Nachman, B.S., The Ohio State University, 1967; M.S., Northwestern University, 1971. Management. *The Measurement of Risk Aversion and Time Preference: A Theory and Applications.*
- Ronald David Neufeld, B.E., The Cooper Union, 1967; M.S., Northwestern University, 1969. Civil Engineering. *Toxicity, Fate, and Design Implications for Activated Sludge Removal of Mercury, Cadmium, and Zinc.*
- Perry Michael Nicassio, B.A., University of Southern California, 1969; M.A., Northwestern University, 1971. Psychology. *Masculinity-Femininity, Family Size, and Family Planning in Two South American Urban Communities.*
- David Michael Nienhaus, B.A., Washington University, 1966. Economics. *Profit-Maximizing Sales Decisions for a Production-to-Order Firm.*
- Barry Kent Norling, B.S., University of Texas, 1964; M.S., 1966. Biological Materials. *The Kinetics and Mechanisms of the Zinc Oxide-Eugenol Reaction.*
- Richard Einar Nygren, B.S., Massachusetts Institute of Technology, 1966. Materials Science. *Stress Induced Martensitic Transformation to Cobalt-Thirty Percent Tungsten.*
- Enrique Ogliastrri Uribe, Eq. of B.S., Industrial University of Santander (Colombia), 1965; M.B.A., University of Navarra, 1967; M.A., Northwestern University, 1971. Industrial Engineering. *Elite, Class, Power, and Social Consciousness in the Economic Development of a Colombian City: Bucaramanga.*
- Don Richard Osborn III, B.A., Miami University, 1968; M.A., Northwestern University, 1971. Psychology. *Own Height, Similarity to Other, and Judgment of Other's Height.*
- John Joseph Papay, B.S., Polytechnic Institute of Brooklyn, 1969. Chemistry. *Part I: Conformations of Five-membered Rings. Part II: Solvolysis of 6-Dodecyn-2, 11-Diyl Ditosylate.*
- Bernadette Helen Perham, B.A., Alverno College, 1956; M.A., Loyola University, 1960; M.Ed., Harvard University, 1966. Education. *A Study of Multiple Relationships Among Teacher Characteristics, Teaching Behaviors, and Criterion-Referenced Student Performance in Mathematics.*
- Keith E. Peters, B.A., Northwestern University, 1968. Biological Sciences. *Identification and Physiological Characteristics of a Crown Gall Tumor Growth Factor.*
- Ronald D. Picur, B.S., Northwestern University, 1968. Management. *A Framework for a Manpower Information System.*
- Paul Rogers Portney, B.A., Alma College, 1967; M.A., Northwestern University, 1969. Economics. *Congressional Delays and Fiscal Policy: A Simulation of the Costs and Effects.*
- Henry M. Pounds, B.S., SUNY at Buffalo, 1967; M.B.A., 1968. Management. *An Empirical Investigation of the Risk Preferences Exhibited by a Sample of Open and Closed-End Investment Companies During the Period 1950 to 1970.*
- Robert A. Pranis, B.S., Clarkson College of Technology, 1968. Chemistry. *Characterization of Polyethylenimine.*
- Robert Vincent Prestiano, B.S., Loyola University, 1966. Art History. *The Inland Architecture: A Study of the Contents, Influence, and Significance of Chicago's Major Late Nineteenth Century Architectural Period.*
- William Franklin Pruitt, Jr., B.A., Austin College, 1963. History. *An Independent People: A History of the Sala Mpasu of Zaire and Their Neighbors.*

NORTHWESTERN UNIVERSITY

- Jayaraman Rajaram, B.Sc., St. Joseph's College (India), 1967; M.Sc., Indian Institute of Technology, 1969. Chemistry. *I. Oxidative-addition Reactions of Organic Halides to Some Transition Metal Complexes. II. Some Studies on Metal-Metal Bonded Complexes with Unusual Physical Properties.*
- Robert Page Redwine, B.A., Cornell University, 1969. Physics. *Electromagnetic Radiation Accompanying K- Capture in Copper, Nickel, Silicon, and Aluminum.*
- Mary Susan Rink, B.A., Clarke College, 1948; M.S., Purdue University, 1964; M.A., Northwestern University, 1970. Education. *An Analysis of the Acknowledged Personal Problems Perceived by Freshmen Living in Single Class, Mixed Class, and Coeducational Residence Halls.*
- Kemil Assad Rizk Aziz, B.S., Technical Institute of Monterrey (Mexico), 1968; M.S., Northwestern University, 1970. Industrial Engineering. *Flow-Link Network Design: The Liquid Waste Removal Problem.*
- Leland Walter Robinson, B.A., San Jose State College, 1966; M.A., Northwestern University, 1969. Sociology. *Social Movement Organizations in Decline: A Case Study of the I.W.W.*
- Barbara Rosenblum, B.A., Brooklyn College, 1969; M.A., Northwestern University, 1970. Sociology. *Photographers and Their Photographs: An Empirical Study in the Sociology of Aesthetics.*
- Susan Roth, B.A., Columbia University, 1970; M.A., Northwestern University, 1972. Psychology. *The Effects of Experimentally Induced Expectancies of Control: Facilitation of Controlling Behavior or Learned Helplessness?*
- Susan Banks-Schlegel, B.S., Rochester Institute of Technology, 1966; M.S., Northwestern University, 1969. Microbiology. *RNA Metabolism in Isolated Mouse Brain Nuclei and Nucleoli.*
- Theodore W. Schlie, B.A., Valparaiso University, 1963; M.S., Northwestern University, 1969. Industrial Engineering. *Some Aspects of Regional-National Scientific Relationships in East Africa.*
- James W. Schmotter, B.A., Muskingum College, 1969. History. *Provincial Professionalism: The New England Ministry, 1692-1745.*
- David Schroder, B.A., Indiana University, 1963; M.A., Northwestern University, 1967. Sociology. *Engagement in the Mirror: Hairdressers and Their Work.*
- Ronald Allan Schroeder, B.A., Wesleyan University, 1968; M.A., Northwestern University, 1969. English. *Byron and the New Romance: CHILDE HAROLD'S PILGRIMAGE I-II and Medieval Tradition.*
- James Alan Schuyler, B.A., Northwestern University, 1968; M.S., 1971. Computer Sciences. *Student Response Matching Algorithms for Computer-Based Learning Systems.*
- Alvin James Schexnider, B.A., Grambling College, 1968; Northwestern University, 1971. Political Science. *The Development of Nationalism: Political Socialization Among Blacks in the United States Armed Forces.*
- Elias Sevilla Casas, B.A., University of Illinois, 1971; M.S., Northwestern University, 1972. Anthropology. *An Experience in Chicago: New Roles for Psychiatric Anthropologists.*
- Sanford Sherizen, B.A., Syracuse University, 1962; M.A., Northwestern University, 1967. Sociology. *Professional Identity Development and the Acceptance of License-Related Performance Requirements: A Study of All but Dissertation Students.*
- Dinesh Kumar Shetty, B.Tech., Indian Institute of Technology, 1968; M.S., Northwestern University, 1970. Materials Science. *The Cyclic Creep Behavior of Aluminum.*
- Frederic Bancker Shipley II, A.B., Brown University, 1967. Management. *A Theory of Choice Under Conditions of Inadequate Information.*
- Robert Shuter, A.B., Loyola University, 1969; M.A., Northwestern University, 1971. Speech. *The Free School: A Case Study in Environmental Influence on Small Group Behavior.*
- John Barclay Simpson, B.A., University of California, 1969; M.A., Northwestern University, 1972. Psychology. *The Role of the Subfornical Organ in Drinking Behavior.*
- Richard Elbridge Snow, B.A., St. Olaf College, 1966; M.A., University of Michigan, 1967. Mathematics. *Two-Timing for Second Order Linear and Nonlinear Oscillation Equations.*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Anita Louise Spadafore, B.A., University of Toronto, 1959; M.A., Rosary College, 1966. Art History. *Baron Taylor's VOYAGES PITTORESQUES.*
- Paul Francis Sroka, B.S., University of Notre Dame, 1966. Biological Sciences. *Studies on the Endocrine Control of Post-Emergence Ovarian Maturation in the Tobacco Hornworm MANDUCA SEXTA (Johan).*
- Joel Sternberg, B.A., Michigan State University, 1962. Speech. *A Descriptive History and Critical Analysis of the Chicago School of Television—Chicago Network Programming in the Chicago Style from 1948 to 1954.*
- Phillips Stevens, Jr., B.A., Yale University, 1963; M.A., Northwestern University, 1967. Anthropology. *The Bachama and Their Neighbors: Non-Kin Joking Relationships in Adamawa, Northeastern Nigeria.*
- Keith Gregory Striggow, A.B., Harvard College, 1965; M.Div., Garrett Theological Seminary, 1968; M.A., Northwestern University, 1971. Religion. *An Inquiry into the General Applicability of the Patterns Predicted in Myrdal's AN AMERICAN DILEMMA, as a Specific Instance of Consistency-Dissonance Model, Focusing on Opinions About Issues in the 1972 United Methodist Social Creed.*
- Carolyn Taylor Swan, B.A., University of California, 1965; M.A., University of Chicago, 1966. French. *The Old French Prose Legend of Saint Julian the Hospitaller.*
- Marlene Gunnesch Taibl, B.S., Northwestern University, 1954; M.A., Northwestern University, 1956. Education. *Teacher Selection: An Investigation of Attitude Congruence in Simulated Interviews Between Teacher Candidates and Principals.*
- Frances Lee Thornton, B.S., District of Columbia Teachers College, 1964; M.A., Michigan State University, 1968. Speech. *Children's Ability to Discriminate Between Verifiable and Unverifiable Claims of Television Advertisements Related to Vitamins, Medicine, and Food.*
- Thorlund William Thorson, B.S., University of Illinois, 1936; M.A., Northwestern University, 1963. Speech. *A Rhetorical Analysis of the Discourse of B. F. Skinner and his Principal Critics.*
- Steven Duane Thrasher, B.B.A., University of Michigan, 1963; M.B.A., 1964. Management. *The Marketing Concept in Museums: A Study of Administrative Orientations in Cultural Institutions.*
- James C. Tillapaugh, B.S., University of Oregon, 1965; M.A., 1967. History. *From War to Cold War: United States Policies Toward Latin America, 1943-1948.*
- Richard James Tobin, B.A., Pennsylvania State University, 1968; M.A., Northwestern University, 1970. Political Science. *A Comparative Analysis of the Impact of Nominating Systems on State Legislative Recruitment and Behavior.*
- Montri Umavijani, B.A., Chulalongkorn University, 1963; M.A., Northwestern University, 1966. Speech. *Artist of the Perceived World: A Study of the Making of Joseph Conrad.*
- Namio Urabe, B.E., Tokyo Institute of Technology, 1967; M.S., 1967. Materials Science. *Dislocation Mobility in Potassium and Iron Single Crystals.*
- Hugo L. Vandersypen, B.S., University of Leuven (Belgium), 1967; M.S., University of London, 1968; M.S., Northwestern University, 1969. Industrial Engineering. *Schedule Planning and Timetable Construction for Commuter Railroad Operations.*
- Jobst Peter Vandrey, B.A., Western Maryland College, 1969. Biological Sciences. *Isolation, Fractionation, and Characterization of EUCLENA GRACILIS Chloroplast Deoxyribonucleic Acid.*
- Jack Vast-Binder, B.A., Michigan State University, 1966; M.A., Northwestern University, 1969. Sociology. *Mail Man: Studies of Urban Letter Carriers.*
- Anil V. Virkar, B.Tech., Indian Institute of Technology, 1967; M.S., Louisiana State University, 1969. Materials Science. *Fracture Behavior of Zirconium-Zirconia Composites.*
- Joan Edaire Scott Wallace, A.B., Bradley University, 1952; M.S., Columbia University, 1954. Psychology. *Afro-American Studies in a Suburban Women's College: A Case Study.*
- Herman M. Weil, B.A., University of New Mexico, 1970; M.A., 1971; M.A., Northwestern University, 1972. Political Science. *Urbanization and Public Order: First Steps Toward an Adaptive Theory.*

NORTHWESTERN UNIVERSITY

- Carol Sulzberger Weissbrod, B.S., Tufts University, 1969; M.A., Northwestern University, 1972. Psychology. *The Effect of Adult Warmth on Reflective and Impulsive Children's Donation and Rescue Behavior.*
- Lorraine Rosemary Siplon Wells, B.A., University of Northern Iowa, 1951; M.A., 1953. Education. *Writing Disorders and the Learning Disability Student in the College English Class.*
- Mary Gould Wilson, B.A., Brown University, 1960; M.A., Northwestern University, 1964. Art History. *Edvard Munch: A Study of his Form Language.*
- Monika Wittig, B.A., Goethe University (Germany), 1967; M.A., Northwestern University, 1970. Sociology. *Identification and Processing of Troublemakers in School.*
- David Gay Wood, B.M., Washburn University, 1965; M.M., Northwestern University, 1966. Music. *The Development and Evaluation of an Independent School Music Curriculum Stressing Comprehensive Musicianship at Each Level Pre-school Through High School.*
- Spencer Teng Wu, B.S., National Taiwan University, 1963; M.S., University of Miami, 1968. Civil Engineering. *Rate-Type Creep Law of Aging Concrete in Variable Environment.*
- Robert Odell Wyatt II, B.A., University of the South, 1968; M.A., Northwestern University, 1970. English. *Shakespeare and the Providential Problem.*
- Shih-Chien Yang, B.S., National Taiwan University, 1967; M.S., Northwestern University, 1971. Electrical Engineering. *Multiple Fault Detection on Logic Circuits.*
- Atie W. Dingemans Zuurdeeg, Eq. of B.A., Rooms-Catholic University, 1952. French. *Structure and Meaning in "La Mort le Roi Artu."*
- Jennifer R. Zvi, B.S., University of Minnesota, 1967; M.S., University of Illinois, 1968; M.A., Northwestern University, 1971. Speech. *The Motor Behavior of Preschool Children as Assessed by an Observational Rating Scale Using Trained and Untrained Observers.*

MASTER OF ARTS

- Madelyn Joyce Albert, B.S., Ithaca College, 1971. Speech.
- John Francis Alwill, B.A., Fordham University, 1968. Philosophy.
- Thomas Roderick Andrews, B.A., University of Pittsburgh, 1969. Philosophy.
- Francisca Antolin-Fargas, Eq. of B.A., University of Barcelona (Spain), 1969. History.
- Joyce Sandra Asser, B.S., Northwestern University, 1972. Speech.
- Robert Alan Atkins, Jr., B.A., Elmhurst College, 1971. Speech.
- James Reynolds Aubrey, B.S., United States Air Force Academy, 1968. English.
- Michael Allen Bailey, B.A., Illinois Wesleyan University, 1969. English.
- Mary Barbara Ballard, B.S., Purdue University, 1968. Speech.
- Sharon Barton, A.B., George Washington University, 1965. History.
- Patricia Hull Baudendistel, B.S., Northwestern University, 1971. Speech.
- Michael D. Bayton, B.A., Morgan State College, 1971. English.
- Edward David Berkowitz, A.B., Princeton University, 1972. History.
- Barbara Jane Binder, B.A., Augustana College, 1972. Speech.
- Otto Bartholomew Bird, B.A., University of Notre Dame, 1972. Philosophy.
- Marian Block, B.S., The Pennsylvania State University, 1972. Speech.
- Mary Ann Bolman, B.A., Northwestern University, 1972. Speech.
- Jesse Carl Burnett, Jr., B.A., Wilberforce University, 1972. Sociology.
- Elaine Leslie Burns, B.S., Northwestern University, 1972. Education.
- Philip Nelson Burton, B.S., Abilene Christian College, 1972. Speech.
- Diane Novak Capitani, B.A., Mundelein College, 1966. French.
- John J. Caporini, B.A., Muskingum College, 1972. Education.
- Susan Aline Culbertson, B.A., Rosary College, 1970. French.
- Carlos Davila-Ladron-De-Guevara, Eq. of B.S., University of the Andes (Colombia), 1967. Sociology.
- Nancy Lee Davis, B.A., University of Texas, 1964. Speech.
- Sherrill Rae Davis, B.A., Augustana College, 1972. Speech.
- Chauncey Quinton Douglas, B.S., Boston University, 1972. Speech.
- Steven Allen Fagin, B.A., University of Illinois, 1971. Speech.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- Peter Mundell Ferry, B.A., Ohio University, 1969. English.
 Penelope Carr Flather, B.A., Northwestern University, 1971. Education.
 Howard Fleming, B.A., Federal City College, 1972. Economics.
 William Ivor Fowkes, B.A., Yale University, 1972. Philosophy.
 Janis Kaille Franklin, B.A., Wellesley College, 1969. Speech.
 Patricia Ann Frazier, B.A., Talladega College, 1972. Economics.
 Brad William Friedrich, B.A., University of Wisconsin, 1971. Speech.
 Janelle Marie Fritz, A.B., Indiana University, 1969. Speech.
 Janice R. Gay, B.A., Loma Linda University, 1971. Speech.
 Nanette Goodman Gill, B.A., University of Illinois, 1971. Speech.
 Russell Stuart Gold, B.A., University of Illinois, 1970. Speech.
 Nancy Ellen Goldfluss, B.A., Northwestern University, 1972. Speech.
 Susan Mindy Goldstein, B.S., Northwestern University, 1972. Speech.
 Mark Ellis Goodman, B.A., The Ohio State University, 1972. Speech.
 Robert R. Gordh, B.A., Randolph-Macon College, 1969. Philosophy.
 Catherine Huff Gottfred, B.A., Elmhurst College, 1970. Speech.
 Randolph Alfred Gschwind, B.A., Northwestern University, 1970. Geography.
 Talmadge Carter Guy, B.A., Fisk University, 1971. Religion.
 Patricia Eileen Haffey, B.A., St. Mary's College, 1972. Speech.
 W. Edward Hair, B.A., Howard University, 1971. Economics.
 Joanne J. Hanwell, B.A., Purdue University, 1967. English.
 Bonnie Jean Harmon, B.S., Illinois State University, 1968. English.
 Elizabeth A. Hebert, B.S., Northwestern University, 1972. Speech.
 Susan Hecht, B.S., Brooklyn College, 1968. Education.
 William Dennis Hendricson, B.A., Dickinson College, 1971. Education.
 Ann Theresa Hennessy, B.S., University of Dayton, 1973. Speech.
 Richard Mark Herman, B.A., University of Wisconsin, 1971. Speech.
 Philip George Heyde, B.A., DePauw University, 1972. Speech.
 Suzanne Irene High, B.A., Syracuse University, 1968. English.
 Nadine Roberta Hill, B.S., Northwestern University, 1972. Speech.
 Michael Hoffman, B.A., Northwestern University, 1972. Geography.
 Gary Dwayne Holtzclaw, B.S., University of Texas, 1972. Geography.
 Shelley M. Horwitz, B.S., University of Illinois, 1972. Speech.
 Randall C. Hurd, B.A., Carleton College, 1971. History.
 Joanne S. Ichkoff, B.S., Northwestern University, 1969. Education.
 David L. Jarman, B.A., Wheaton College, 1972. Speech.
 Dennis Christian Jensen, B.S., Purdue University, 1972. Economics.
 Janet Kay Jensen, B.S., Utah State University, 1972. Speech.
 Lesley Evadne Johnson, B.A., University of Minnesota, 1972. Speech.
 Sandra Paulette Kaiser, B.A., Howard University, 1972. Speech.
 William John Kaiser, B.A., Oakland University, 1972. History.
 Gayle Ann Karhanek, B.A., Northwestern University, 1972. Education.
 Henry M. Keil, B.A., Trenton State College, 1968. Speech.
 Ann Kenis, B.S., University of Illinois, 1972. Speech.
 Barbara J. Kern, B.A., Marian College, 1970. Speech.
 James Price Kizart, Jr., B.S., Northwestern University, 1971. Education.
 Therese Grein Kratochvil, B.A., St. Mary-of-the-Woods College, 1964. Speech.
 Carson Daniel Lauffer, B.A., Olivet Nazarene College, 1969. Religion.
 Leon Richard Liebner, B.A., University of Notre Dame, 1971. German.
 Lenbert Addison Little-White, B.S., Ryerson Polytechnical Institute (Canada), 1972. Speech.
 Shirley H. Maize, B.A., University of Pennsylvania, 1946. Art History.
 Jane Barclay Mandel, B.S., Northwestern University, 1969. Education.
 Richard Palay Manson, B.A., Yale University, 1971. Philosophy.
 C. Gregory McAndrews, A.B., Assumption College, 1967. Speech.
 Bernadette McManigal, A.B., Clarke College, 1962. Education.
 Kim McQuaid, B.A., Antioch College, 1970. History.
 Nancy Lee Menaldi, B.F.A., Kent State University, 1972. Speech.
 Joseph Mbaabu M'Ikunyua, Dipl., St. Pauls United Theological College, 1963; M.Div., Louisville Presbyterian Theological Seminary, 1969. Religion.
 Vera Linda Milam, B.A., Goucher College, 1972. Sociology.
 Catherine J. Miles, B.A., University of Detroit, 1972. English.

NORTHWESTERN UNIVERSITY

Robert James Miller, B.A., The Pennsylvania State University, 1970. Speech.
 Esther S. Min, B.S., Ewha Woman's University (Korea), 1963. Linguistics.
 Joyce E. Moore, B.S., Tennessee State University, 1969. Speech.
 Robert Stephen Morrison, B.A., Case Western Reserve University, 1972. Speech.
 Margaret A. Muse, B.A., DePauw University, 1966. English.
 Susan H. Nelson, B.A., Denison University, 1968. Speech.
 Carol Patricia Oster, B.S., University of Missouri, 1972. Economics.
 Frances Olympia Pappas, B.S., Tulane University, 1972. Speech.
 Shirley Binnetta Payne, B.A., Macalester College, 1972. History.
 John L. Phend, B.A., Valparaiso University, 1969. Speech.
 Susan Kay Phillips, B.A., DePauw University, 1966. Religion.
 Harry M. Politis, B.S., University of Illinois, 1972. Speech.
 Mary Joan Potter, B.A., Siena Heights College, 1971. Education.
 Carl L. Prather, B.S., Trinity College, 1972. Mathematics.
 Anna Catherine Queisser, B.A., University of North Carolina, 1972. Speech.
 Richard Graham Rawlins, B.A., Northwestern University, 1972. Anthropology.
 Wilfred Reid, B.G.S., Roosevelt University, 1972. Religion.
 Steven Robbins, B.A., Northern Illinois University, 1972. Education.
 James Leo Rogers, Jr., B.A., Colorado University, 1971. Psychology.
 L. Jack Roth, B.A., Ohio University, 1969. Education.
 Lawrence Douglass Sanders, B.S., Central State University, 1969. Psychology.
 Brenda L. Schneide, B.A., University of Iowa, 1966. English.
 Donna Marie Schnitz, B.S., Northwestern University, 1969. Speech.
 Janet R. Shaw, B.A., Northwestern University, 1970. Political Science.
 Bruce Robert Smith, B.A., University of Minnesota, 1972. Economics.
 Susan Geist Smith, B.S., Ball State University, 1969. Speech.
 Thomas E. Smith, B.A., Southern Illinois University, 1972. History.
 Polly Spencer, A.B., Mount Holyoke College, 1972. Speech.
 Rita Sturwold, B.A., Our Lady of Cincinnati College, 1965. English.
 Edward Owen Sullivan, B.A., Northern Illinois University, 1967. Speech.
 Nicole Mary Taghert, B.A., Northwestern University, 1972. English.
 Paul Aneurin Toliver, B.A., University of Cincinnati, 1972. History.
 Maria Lynn Vasiliv, B.S., Miami University, 1972. Speech.
 Efrain Velez-Iturrino, B.S., Wisconsin State University, 1969. Spanish.
 Susan M. Wagner, B.A., Capital University, 1969. Speech.
 Leonard Wash, B.A., Roosevelt University, 1970. History.
 Barbara Ann Weaver, B.S., Northwestern University, 1972. Speech.
 Margaret M. White, Teacher's Cert., Maria Grey College (England), 1961; Cert.
 Teachers of Deaf, Manchester University (England), 1962. Speech.
 Cynthia Lee Wilson, B.A., DePauw University, 1971. Speech.
 Cynthia Helen Witt, B.A., Augustana College, 1972. Speech.
 Wong Kee Chee, B.A., Chung Chi College (Hong Kong), 1972. Speech.
 Robert Lloyd Woolsey, B.A., Carleton College, 1970. Education.
 Anne Stewart York, B.S. in Ed., University of Alabama, 1973. English.
 Eugene Henry Zalewski, B.A., St. Louis University, 1962; M.A., 1966. Education.
 Lester Edward Zigruski, B.A., Northwestern University, 1969. Education.
 Susan Sandman Zlotnik, B.S., University of Illinois, 1971. Education.

MASTER OF ARTS IN TEACHING

Leslie Gram Allaire, B.A., Northwestern University, 1971. Education.
 Susanne Mae Wilch Anderson, B.A., Northwestern University, 1972. Education.
 Nancy Colleen Anoaia, B.A., Douglass College, 1972. Education.
 Samuel Joel Applebaum, B.S., University of Wisconsin, 1972. Education.
 Joanne Augspurger, B.S., The Ohio State University, 1966. Education.
 Natalie Perry Bartmess, B.A., Rice University, 1970. Education.
 Mary Jean Becker, B.A., Pennsylvania State University, 1970. Education.
 Louis Berkman, B.S., Defiance College, 1972. Education.
 Paul Rainer Birnberg, B.A., University of Chicago, 1972. Education.
 Nicholas Mark Blatchford, B.A., Harvard College, 1972. Education.
 Anne Janssen Buckingham, B.A., Sarah Lawrence College, 1970. Education.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

Eva Lee Burkey, B.A., Northwestern University, 1971. Education.
 Winston Sill Burt, B.A., Union College, 1972. Education.
 Nancy Casolaro, B.A., Fordham University, 1972. Education.
 John Peter Clinton, B.A., University of Michigan, 1972. Education.
 Aaron Cooper, B.A., Harvard College, 1972. Education.
 Nancy Chesnin Coren, B.A., Northwestern University, 1972. Education.
 Terrence Charles Corkerton, B.A., The Ohio State University, 1972. Education.
 William H. Crosscup, B.A., North Park College, 1968. Education.
 Jeffrey Scott Currie, B.S., University of Illinois, 1972. Education.
 Meryl Kay Greer Domina, B.S., Illinois Institute of Technology, 1969. Education.
 Rufus Ellis, Jr., B.A., Morris Brown College, 1972. Education.
 Peter Gustav Fairweather, B.A., Northwestern University, 1971. Education.
 James S. Fine, B.A., University of Wisconsin, 1970. Education.
 Paula Marie Fitzmaurice, B.A., Alverno College, 1965. Education.
 Lawrence B. Flick, B.S., Purdue University, 1968. Education.
 Ann Whitcher Fraser, B.A., Syracuse University, 1970. Education.
 Michael Joseph Galvin, B.A., Kalamazoo College, 1970. Education.
 Michael E. Glover, B.A., University of Rochester, 1972. Education.
 Alan R. Graham, A.B., Franklin and Marshall College, 1971. Education.
 Margaret Ann O'Donnell Grimwade, B.A., DePaul University, 1970. Education.
 Alfred Harris, Jr., B.S., Morris Brown College, 1972. Education.
 Christine Ann Johnson, B.A., American University, 1970. Education.,
 Christine L. Johnson, B.A., Oberlin College, 1971. Education.
 Irene Tobe Katz, B.A., University of Illinois, 1972. Education.
 Wendy S. Kip, B.A., Northwestern University, 1971. Education.
 Darie Zenobia Leake, B.A., North Carolina Central University, 1972. Education.
 Lorinda Lie, B.A., Carleton College, 1972. Education.
 Anna Patricia Longabaugh, B.G.S., Roosevelt University, 1973. Education.
 Glen Lewis Melnik, B.A., University of California, 1968. Education.
 David E. More, B.A., North Central College, 1972. Education.
 Alan E. Morris, B.S., University of Illinois, 1972. Education.
 Craig William Mudge, A.B., Bard College, 1972. Education.
 Lawrence Leonard Mynars, B.A., University of Notre Dame, 1971. Education.
 Carolyn L. Nash, B.S., Loyola University, 1970. Education.
 Paul E. Nick, B.A., Gustavus Adolphus College, 1968. Education.
 Stephen Carl Ogilvie, B.A., Northwestern University, 1972. Education.
 Christine Marcia Piliponis, B.A., Colgate University, 1972. Education.
 Beverly Ann Piza, B.A., University of Illinois, 1970. Education.
 Steven Marc Plotnick, B.A., Northwestern University, 1972. Education.
 Susan Kathleen Plumlee, B.A., North Central College, 1970. Education.
 Lance L. Revennaugh, B.S., Marietta College, 1972. Education.
 Jennifer R. Rose, B.A., Shimer College, 1972. Education.
 Jeffrey S. Rueble, B.A., Indiana University, 1971. Education.
 Karen E. Ruedi, B.A., Knox College, 1972. Education.
 Patricia Ann Schleevoigt, B.A., St. Olaf College, 1972. Education.
 Sara Shackleton, B.S., Tulane University, 1972. Education.
 Bettye H. Sledge, B.A., Northeastern Illinois University, 1972. Education.
 William Lawrence Slodki, B.A., University of Illinois, 1971. Education.
 John A. Stebbins, B.S., Southern Illinois University, 1972. Education.
 Trina Steinberg, B.A., University of Michigan, 1972. Education.
 David Morris Sugar, B.A., University of California, 1972. Education.
 Mary Lynn Swenson, B.A., University of California, 1969. Education.
 Susan Beth Szatrowski, B.A., Swarthmore College, 1972. Education.
 Karen Louise Thomson, B.A., Wheaton College, 1969. Education.
 Linda Suzanne Tunick, B.A., Roosevelt University, 1971. Education.
 Marilyn Watkins, B.A., Muskingum College, 1972. Education.
 Patricia Ann Watson, B.A., Saint Augustine's College, 1972. Education.
 Edward Ira Wegner, A.B., University of Michigan, 1972. Education.
 Jon Collins White, B.A., University of California, 1969. Education.
 Brian Craig Wilson, B.S., Northwestern University, 1971. Education.
 James R. Wright, B.A., University of Michigan, 1969; M.A., 1970. Education.
 John Peter Zaimes, A.B., University of California, 1971. Education.
 Richard Gordon Zalman, B.A., Queens College, 1970. Education.

NORTHWESTERN UNIVERSITY

MASTER OF FINE ARTS

- Michelle P. Head, B.A., Stephens College, 1968. Speech.
Pamela S. Peniston, B.S., Northwestern University, 1971. Speech.
Peter Hillard Stephens, B.A., Pomona College, 1968; M.A., Western Carolina University, 1971. Art Theory and Practice.
Barry W. Young, B.F.A., Ohio University, 1967. Art Theory and Practice.

MASTER OF SCIENCE

- Amos Burutu Agbadudu, B.Sc., University of Lagos, 1970; M.B.A., New York University, 1972. Industrial Engineering.
James Phillip Baker, B.S., Northwestern University, 1971. Electrical Engineering.
Harold Philip Benson, B.S., University of Michigan, 1971. Industrial Engineering.
Robert Bjorklund, B.S., William and Mary College, 1971. Chemistry.
Judith Dart Boxler, B.S., The Ohio State University, 1968. Computer Sciences.
Theodore Alexander Brennen, B.A., Roosevelt University, 1967. Transportation.
Francisco Centeno Sequiera, B.S., National University of Nicaragua, 1972. Civil Engineering.
Chiranjit Chakraverty, B.S., Jadavpur University (India), 1970. Civil Engineering.
Norman Bruce Coates, B.S., Northwestern University, 1973. Industrial Engineering.
Sandra Lynn Colussi, B.S., Loyola University, 1969. Computer Sciences.
Richard Michael Corbett, B.A., University of British Columbia, 1971. Transportation.
Francis E. Corry, Jr., B.S., University of Illinois, 1971. Transportation.
Robert Bruce Credo, B.S., Miami University, 1972. Chemistry.
Subhash Ramchandra Deo, B.E., University of Poona (India), 1962; M.S., University of California, 1967. Materials Science.
Susan Margaret Derus, B.S., University of Illinois, 1972. Astronomy.
Sholom Dinsky, B.B.A., The City College of New York, 1966. Management.
Mark William Dirsinith, B.S., University of Illinois, 1969. Management.
Christopher Harison Edwards, B.S., University of the Witwatersrand (South Africa), 1971. Civil Engineering.
Mahmoud El Manguch, Eq. of B.A., University of Louvain (Belgium), 1970. Chemistry.
Eduardo Feldmann, Eq. of B.S., University of the Republic (Uruguay), 1970. Industrial Engineering.
Eduard Fellinghauer, Eq. of B.S., Technical University (Vienna), 1962. Civil Engineering.
Dan Fuchs, B.S., Technion (Israel), 1966. Civil Engineering.
Richard Cameron Galbraith, B.S., Brigham Young University, 1971. Psychology.
Pravinchandra Kantilal Gandhi, B.E., Maharaja Sayajirao University (India), 1967; M.S., 1969. Civil Engineering.
Steven J. Gaudio, B.S., SUNY at Albany, 1971. Transportation.
Linda L. Hamilton, B.S., Eastern Illinois University, 1969. Computer Sciences.
John Paul Harmon, B.S., Michigan State University, 1968. Chemical Engineering.
Gregory Allen Haynes, Eq. of B.S., Colorado School of Mines, 1969. Computer Sciences.
Ronald F. Heimbürger, B.S., United States Merchant Marine Academy, 1968. Transportation.
Dennis Don Hickman, B.S., Iowa State University, 1971. Electrical Engineering.
Dan Holzman, B.S., Technion (Israel), 1967. Civil Engineering.
Charles Ensley Hoyle, B.A., Baylor University, 1971. Chemistry.
Herbert Paul Jacobson III, B.S., California Institute of Technology, 1972. Industrial Engineering.
Deanna S. Juan, B.S., University of the Philippines, 1966. Computer Sciences.
Lewis L. Justen, B.A., University of South Florida, 1972. Chemistry.
John L. Kappler, B.A., St. Olaf College, 1969. Computer Sciences.
Kong Leng Khor, B.A., Northwestern University, 1973. Computer Sciences.
Thomas J. Koglin, B.S., New Mexico State University, 1966. Transportation.
James A. Kukla, B.S., University of Notre Dame, 1972. Electrical Engineering.

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

- John Dana Littlejohn, B.A., Northwestern University, 1972. Biological Sciences.
 Liu Pei-I, B.S., Chinese Naval Academy, 1960; B.E., Chinese Naval Institute of Technology, 1964. Electrical Engineering.
 Shuei-Shen Liu, B.S., Taiwan Cheng Kung University, 1968. Management.
 Oliver Fitzgerald Martin, B.A., Hampton Institute, 1972. Mathematics.
 William C. McDaniel, B.S., University of Illinois, 1972. Chemistry.
 Edward Paul Meko, B.S., United States Merchant Marine Academy, 1971. Transportation.
 Millicent Gayle Mitchell, B.A., Spelman College, 1972. Computer Sciences.
 Willie Moore, B.S., Florida A & M University, 1970. Computer Sciences.
 Terence Erick Mulder, B.S., University of British Columbia, 1956. Civil Engineering.
 Azene Muluneh, B.S., Haile Selassie I University (Ethiopia), 1966. Civil Engineering.
 Joseph F. Murphy, B.S., Northwestern University, 1970. Biomedical Engineering.
 Daniel Nahmias, B.S., Technion (Israel), 1966. Civil Engineering.
 Lee Howard Nathan, B.A., Northwestern University, 1971. Computer Sciences.
 Raphael E. I. Onyemelukwe, M.D., Northwestern University, 1967. Surgery.
 Ozcan Ozdamar, B.E., Middle East Technical University (Turkey), 1971. Biomedical Engineering.
 Bansil Lal Pandit, B.S., The University of Jammu and Kashmir, 1966. Nuclear Engineering.
 William Earl Payne, Jr., B.S., Northwestern University, 1972. Electrical Engineering.
 Vicky A. Perlman, B.A., Cornell College, 1971. Geological Sciences.
 Suzanne D. Pinson, Eq. of B.A., University of Paris, 1969. Computer Sciences.
 Khozem E. Poonawalla, B.S., University of Poona, 1966; M.B.A., Northeastern University, 1969. Transportation.
 John Edwards Purviance, B.S., University of Idaho, 1972. Electrical Engineering.
 Alan Frank Raphael, B.S., University of Rochester, 1972. Electrical Engineering.
 John Joseph Rashak, B.E., The Cooper Union, 1970. Mechanical Engineering.
 Martin I. Resnick, B.A., Alfred University, 1964; M.D., Bowman Gray School of Medicine, 1969. Urology.
 Stephen Harold Roby, B.A., Augustana College, 1972. Chemistry.
 Jo Ann Roseman, B.S., Stillman College, 1970. Industrial Engineering.
 John Paul Sajovec, B.S., The Ohio State University, 1967. Transportation.
 Jose H. Salazar Espinosa, Eq. of B.S., Universidad de Sonora (Mexico), 1972. Civil Engineering.
 Dauda Olasupo Olajide Salimonu, B.S., Ahmadu Bello University (Nigeria), 1971. Mechanical Engineering.
 John Michael Sebeson, B.S., Michigan State University, 1969. Materials Science.
 Jeremy David Seldon, B.Sc., London University, 1970. Transportation.
 Frederick John Semwogerere, B.S., Makerere University (Kampala), 1971. Mathematics.
 Pradeepkumar K. Shah, B.Tech., Indian Institute of Technology, 1970. Computer Sciences.
 John F. Skallerup, B.A., Northwestern University, 1972. Biological Sciences.
 Abraham Sperber, B.S., Technion (Israel), 1967. Civil Engineering.
 Clare Margaret Therese Stapleton, B.S., University of New South Wales (Australia), 1972. Geography.
 Mary Roberta Suchanski, B.S., Denison University, 1972. Chemistry.
 Robert Florian Sullivan, B.S., Massachusetts Institute of Technology, 1967. Industrial Engineering.
 Nadeem Tahir, B.E., University of Karachi (Pakistan), 1967. Transportation.
 Russell L. Titus, B.S., Northwestern University, 1970. Materials Science.
 Yam Shun Tong, B.S., University of Illinois, 1972. Chemistry.
 Tariq Mahmood Ubaid, B.S., Engineering College (Pakistan), 1971. Electrical Engineering.
 Marc Henry Vandenbergh, B.B.A., University of Paris, 1972. Transportation.
 Howard Jacob Weiss, B.S., Washington University, 1972. Industrial Engineering.
 John Franklin Whipps, B.A., Southern Illinois University, 1965; D.M.D., University of Louisville, 1969. Dentistry.

NORTHWESTERN UNIVERSITY

- Roger B. Williams, B.S., Northwestern University, 1968. Electrical Engineering.
David Ian Wilson, B.A., University of Western Australia, 1970. Geography.
Ronald Alan Witt, B.S., University of Wisconsin, 1966. Industrial Engineering.
Max Richard Yaffe, B.A., Northwestern University, 1973. Chemistry.
Chiang Yuan Yang, B.S., National Taiwan University, 1970. Physics.
Julian Arnold Yochum, Jr., B.A., Northwestern University, 1967. Industrial Engineering.
See-Chin Young, B.S., Wake Forest University, 1971. Physics.
Aviv Zalberg, A.B., University of Illinois, 1968. Computer Sciences.
Constantinos M. Zekkos, Eq. of B.S., University of Athens (Greece), 1970. Civil Engineering.
Zong H. Zeong, B.S., Seoul National University (Korea), 1964; M.S., University of Colorado, 1969. Mechanical Engineering.

PRIZES AND HONORS

ALL-UNIVERSITY PRIZES

THE JOHN B. KIRK PRIZES IN ORATORY: Christine M. Fallert, Erwin S. Chemerinsky, Ronald L. Marmer

MILTON FLORSHEIM PRIZES FOR DEBATE: Erwin S. Chemerinsky, Paul D. Clote, Richard B. Horrow, Alan S. Loewinsohn

ROBERT M. CUMNOCK DEBATE PRIZES: Colin F. Campbell, Steven J. Harper, David E. Ostrich, L. Steven Platt, Marc J. Strauss, James R. Troupis, Carey J. Witkov

FRESHMAN DEBATE AWARDS: Howard J. Kirschbaum, Douglas C. Straus

Clarion De Witt Hardy Scholars in School—Undergraduate

Colin F. Campbell
Paul D. Clote

Elliott M. Minberg
Ronald L. Marmer

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

THE COLLEGE OF ARTS AND SCIENCES

DANIEL BONBRIGHT MEMORIAL SCHOLARSHIPS: Mary Kay Barkley, Laura Rochelle Cohen, Michael Frank Kush

JAMES ALTON JAMES MEMORIAL SCHOLARSHIPS: Samuel Joseph Goldberg, Elliott Matthew Mincberg, John Patrick Morrison

OLIVER MARCY MEMORIAL SCHOLARSHIPS: David Francis Graft, David John Schlagheck, Robert Jon Weingarten

HEARST FOUNDATION UNDERGRADUATE SCHOLARSHIP: Elliott Matthew Mincberg

PHI BETA KAPPA

Class of 1974

Frances Catherine Andriacchi	Beth Jacquelyn Krieger
Alan Stuart Berger	Michael Frank Kush
Jozef Bicerano	Robert Harold Lande
David Aaron Birnbaum	Neil James Lucchese
Robert Fairbanks Bride	Sherry Jill Marcus
Craig Lewis Caesar	George William Masek
Jan Susan Carp	Mary Barkley McCaw
David Michael Carter	Mary Grace Meirose Oppenheim
Mary Margaret Dahlberg	*Elliott Matthew Mincberg
Renee Carol Demers	Amy Flora Monblatt
Bruce Harold Dickstein	John Patrick Morrison
Patricia Elizabeth Dorsey	Robert Lee Nelson
Thomas Stephen Dyer	Gerald Wayne Newman
Dean Alan Elias	Jack Steven Pierce
Patricia O'Brien Ensworth	Joan Regina Riley
Jerry Arnold Esrig	Susan Elaine Rollins
John Michael Felzan	Lorry Glen Rubin
Edward Bruce Fliesher	Sindee Anne Rubin
Sara Brennan Furman	Kathleen Mary Ryan
David Lee Gandell	Alan Victor Safdi
Janice Laurie Gilden	Sandra Marie Schlesinger
Gustav Edward Glick	Janet Carol Shambaugh
Samuel Joseph Goldberg	Alan Mitchell Shorofsky
Robin Ellen Goodkin	*Jean Ellen Slater
Lisa Robbin Grossman	Stephanie Suzanne Smith
Betty Jane Hamilton	Barbara Lee Smithers
Scott Edward Hansen	William Scott Towne
Marilyn Anne Henderson	Henry Alexander Warchall
Heide Rachel Holmberg	Sheila Faith Weiss
Kathryn Marie Horneck	Myron Mark Wojtowycz
Frieda Louise Illion	Edward Martin Zabrek
Susan Myra Kersten	Sheldon Toby Zenner
Catherine Frances Klein	

PHI BETA KAPPA

Class of 1975

Michele Patrice Gover	Karen Lynn Read
Marion Faith Meilaender	Garth Robert Schneider
Duffy Clemeth Murphy	Leonard Anthony Wojcik

*Elected during junior year

NORTHWESTERN UNIVERSITY

BACHELOR OF ARTS

June 1973

Degree Awarded With Highest Distinction

Bruce Jay Lipstein

DEPARTMENTAL HONORS

August 1973

PSYCHOLOGY

Ron David Schiff

THE MEDICAL SCHOOL

DOCTOR OF MEDICINE

Degree Awarded With Highest Distinction

Mark Phillippe

Degrees Awarded With Distinction

Clayton Woodward Bavor
James Edward Bourdeau
James Bannister Burns
Dudley Henry Davis
Robert Jason Eliot
Samuel Joseph Granieri
Gary Stephen Lissner

Robert Coleman Master
Robert David McMillan
Robert Emmett Molloy
Marc Lee Platt
Geoffrey Rush Priest
Steven Barry Sorin

ALPHA OMEGA ALPHA

Thomas John Anderson
Clayton Woodward Bavor
Manuel Felipe Camacho, Jr.
Dudley Henry Davis
James Anthony Gianfrancisco
Samuel Joseph Granieri
Steven Lee Guber
Jonathan Mathias Kohl
Peter Kosolcharoen
Gary Stephen Lissner
John Joseph McGillan

Robert David McMillan
Herbert Wesley Percival
Mark Phillippe
Marc Lee Platt
Geoffrey Rush Priest
Clare Driggs Purcell
Richard Douglas Sudmeier
Thomas Edward Topper
Paul August Weber
James Edward Wortman

THE SCHOOL OF LAW

JURIS DOCTOR

Magna Cum Laude

Henry Rigel Barber
Theodore Michaelson Becker
Roger Joseph Dennis

Michael Fred Hertz
Sydney Bosworth McDole

Cum Laude

Arthur Rolfe Abelson
Scott David Baskin
Leonard Ray Benjamin
Barry Steven Bloch
Patricia Anne Brandin
Gladys Norma Bryer
Michael Joseph Clement
Mark Philip Cohen
George William Davis
Glenn Richard Drury
Harry Barney Firestone
Kelby Dahmer Fletcher
Charles Lynn Freed
Richard Henry Gordin
Dale Craig Gordon
Lyle Steven Gritchen
Robert David Hall, Jr.
Richard Kestner Harrod
James Halleck Hoeland
Mark Steven Kipnis
Barbara Bang Lounsbury
Cary Jay Malkin

Gary Wayne McFarron
Arthur James McGivern
Charles Robert McKirdy
Ruth Moscovitch
John Riley Myers
Wallace Lee Oliver, Jr.
Arnold Anthony Pagniucci
Victor Joseph Piekarski
Samuel Jacob Polsky
Kennedy Park Richardson
Kenneth Ray Sechler
Vincent Sergi
Joseph Wayne Sheyka
Charles William Siragusa
Harvey Roger Sorensen
William Albert Streff, Jr.
Robert Alan Subkowsky
Lynwood Paul Vanden Bosch
Roy Albert Wentz III
Joseph Patrick Whalen, Jr.
David Carroll Wheeler

WIGMORE KEY: William Francis Murphy

LOWDEN-WIGMORE PRIZES: First Prizes: H. Rigel Barber, William E. Hartgering, Curtis L. Sytsma, Curtis E. Woods; Second Prizes: Roxane M. Cayaloff, James H. Hoeland, Jaimee Levin, Keith P. Schoeneberger

1974 NATIONAL MOOT COURT TEAM: William J. Bourke III, Roger J. Dennis, Richard H. Forbes, Robert J. Hackman, William F. Murphy, David G. Umbaugh

JULIUS H. MINER MOOT COURT COMPETITION: Winning Team and Winners of William Jennings Bryan Award: William E. Hartgering, Curtis E. Woods; Second Place Team: Roxane M. Cayaloff, Jaimee Levin

ADLAI E. STEVENSON AWARD FOR BEST BRIEF: John E. Freechack, Nancy A. Pacher

BARNET AND SCOTT HODES PRIZES: First Prize: Kevin J. Egan; Second Prize: Ronald A. Lane

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

THE SCHOOL OF SPEECH

PONDER AND BEST SCHOLARSHIP: Carolyn Busch

ZETA PHI ETA SCHOLARSHIP IN INTERPRETATION: Susan R. Wilson

PHI BETA SCHOLARSHIP: Helene L. Feldman, Daniel P. Curry

JUNIOR SCHOLARSHIP: Richard B. Horrow

SOPHOMORE SCHOLARSHIP: Nancy L. Kawalek, Liseann M. Moderow

THE DRAMA CLUB OF EVANSTON SCHOLARSHIPS: Emery J. Peek, David Wohl, Sara F. Miller

MERCY SIMERAL PARKHILL SCHOLARSHIP: Karen Schumacher

JOSEPH LEVIN FOUNDATION SCHOLARSHIP: Julia A. Watts

ZETA PHI ETA AWARD IN CHILDREN'S THEATRE: Denice A. Guarino

LUCY MAY WIANT AWARD: James Dixon

JAMES L. LARDNER MEMORIAL AWARD: James E. Oosting

MARY PETERSON GILBERT AWARD: Michelle A. Kravtin

INTERDEPARTMENTAL STUDIES HONORS: Stuart Brotman, Peter Rudoy

THEATRE HONORS: For Excellence in Their Field—Carol Champion, Gregory Flood, Christine Forth, Jeffrey Kurland, Brian J. Reich, Robert H. Smith

SPEECH AND LANGUAGE PATHOLOGY HONORS: Jovita Martin, Cynthia Morse (undergraduate); Elizabeth Herlihy, Peter Norlin (graduate)

AUDIOLOGY: Deborah Katz (graduate)

LEARNING DISABILITIES: Marilyn Kriegel (undergraduate); Martha Donley (graduate)

EDUCATION OF THE HEARING IMPAIRED HONORS: Joanne Dardick, Linda Gross, Jane Lake

COMMUNICATION STUDIES HONORS: William Dorer, Richard Horrow, Robert Birndorf

RADIO, TELEVISION AND FILM HONORS: Announcing Award—Mark Guncheon; Writing Award—Robert Elisberg; Radio Production—Harry Castleman; Television Production—Bart Helbling; Film Production—Peter Rudoy; Service Award—Walter Podrazik

SPEECH EDUCATION HONORS: Wendy H. N. Loeff, Elizabeth S. Rutledge

NORTHWESTERN UNIVERSITY

THE DENTAL SCHOOL

ALPHA OMEGA SCHOLARSHIP AWARD: James Raymond Olson

AMERICAN COLLEGE OF DENTISTS AWARD (ILLINOIS SECTION): Joel Barry Schilling

AMERICAN SOCIETY OF DENTISTRY FOR CHILDREN AWARD: Timothy Alan Schwartz

AMERICAN ACADEMY OF GOLD FOIL OPERATORS AWARD: Verlund K Spencer

ALVIN H. GRUNEWALD AWARD: Verlund K Spencer

CLIVE I. HADLOW AWARD: Joel Barry Schilling

INTERNATIONAL COLLEGE OF DENTISTS AWARD: Arnold Conrad Frankenberg

C. V. MOSBY BOOK AWARDS: Deborah Elaine Emary, Duane K. Orchard, Richard J. Roots, Michael T. Singer, Chester Kemp Smyth, Leon Joseph Witkowski

THE ODONTOGRAPHIC SOCIETY OF CHICAGO AWARD: Russell B. Anderson

AMERICAN ACADEMY OF ORAL MEDICINE AWARD: Gary Ferd Alder

AMERICAN ACADEMY OF ORAL PATHOLOGY AWARD: Jon Pierre Cardinal

AMERICAN ACADEMY OF PERIODONTOLOGY AWARD: Randall M. Vitek

AMERICAN ACADEMY OF DENTAL RADIOLOGY AWARD: Yiannis Anastasios Vlahos

EUGENE W. SKINNER AWARD IN DENTAL MATERIALS: Randall M. Vitek

OMICRON KAPPA UPSILON

Russell B. Anderson
Jon Pierre Cardinal
Sidney H. Friedman
Barkley Low
James Raymond Olson

Joel Barry Schilling
Timothy Alan Schwartz
Verlund K Spencer
Rex Ernest Tobler
Randall M. Vitek

SIGMA PHI ALPHA

Isabel C. Peterson
Mary Virginia Thomas

Debora N. Zellner

DENTAL HYGIENE ALUMNI AWARD: Isabel C. Peterson

DEPARTMENTAL AWARD FOR OUTSTANDING CLINICAL ACHIEVEMENT IN DENTAL HYGIENE: Anita Maureen Luecke and Christyn Joy Noorda

MANHATTAN AWARD FOR PROFESSIONALISM: Anita Maureen Luecke

THE MEDILL SCHOOL OF JOURNALISM

HARRINGTON MEMORIAL AWARDS: Advertising Major: Brian Xavier Hurley; Newspaper Major: Sylvia Gale Lewis; Magazine Majors: Eileen Marie Koontz, Peter Applebome; Broadcast Majors: Patrice Antonia Fletcher, Jane Linda Horwitz

LOIS BAUR MEMORIAL AWARD: Ann Harriet Silverberg

KAPPA TAU ALPHA

Graduate

Peter C. Applebome
Richard S. Bollinger
Richard G. Cinquina
Marlene R. Dale
Andrew B. Davis
Patrice A. Fletcher
Jane L. Horwitz
Eileen M. Koontz

Sylvia G. Lewis
Stephen E. Okino
David G. Savage
S. J. Shellenbarger
Mark J. Smith
Alan J. Weiss
Raymond W. Wolf
Karen L. Wolfson

Undergraduate

Bruce A. Adams
Thomas J. Collier
Jeannette M. DeWyze
Robert A. Feren
Janice B. Gaston
Louise B. Gersen
Margaret E. Gindele
Barry R. Glassner
Michael B. Hyman
Jeffrey A. Jarvis
Carla E. Krummel
Robert V. Moos

Helane L. Morrison
Samuel J. Niver
Andrea Nordstrom
Gay A. Pettinato
Patricia A. Resseguie
Evelyn J. Richards
Jeffrey R. Sharlach
Ann H. Silverberg
John E. Stewart
Robert G. Taylor
Bridget A. Terry
Kathryn M. Welling

NORTHWESTERN UNIVERSITY

THE GRADUATE SCHOOL
OF MANAGEMENT

ERNST & ERNST AWARD: Daniel Valentine Zawada

FINANCIAL EXECUTIVES INSTITUTE AWARD: Anthony John Carfang

DISTINGUISHED SCHOLARS

Day Program

- | | |
|----------------------------------|--------------------------------|
| †*George Jakob Bauer | †*William Duane Koch |
| †*John Jay Brull | †*Eugene Frank Lannert, Jr. |
| *Anthony John Carfang | †*Michael Jay Lawch |
| †*William Chambers Cline | †*George Allen Patton, Jr. |
| †*Judith Anne Davidson | *Willard Raymond Phillips, Jr. |
| †*Anne Ashton Eldridge | †*Donald George Pishney |
| †*Dale Isaac Ellis | †*David Morley Roberts |
| *Claude Alain Luc Francois | † David Francis Schulz |
| Steven Gordon | †*Joseph Stephen Secker |
| †*Michael Paul Heffring | †*Lanny Ross Shipley |
| †*Frederick William Heidtman III | †*William Charles Steinmetz |
| †*Robert Georges Héline | †*Benjamin Wingnin Wong |
| †*James Man-Chang Ho | †*Daniel Valentine Zawada |

Evening Program

- | | |
|--------------------------|--------------------------|
| †*Jack Ralph Blann | †*John Stephen Rogers |
| †*Robert Michael Bracken | †*James Edwin Scott, Jr. |
| †*Gary Michael Cokins | †*Charles King Stewart |
| †*William Walter Demlow | †*Willard Lawrence Uber |
| †*Arthur John Gams III | †*Leo David Williams |
| †*John Joseph Kokat | |

—
*With distinction

†Beta Gamma Sigma

NORTHWESTERN UNIVERSITY

Additional Prizes and Honors announced too late for publication in this program in the usual order of listing by schools.

THE COLLEGE OF ARTS AND SCIENCES

PHI BETA KAPPA PRIZE: Elliott Matthew Mincberg, John Patrick Morrison, Jean Ellen Slater

BACHELOR OF ARTS

Degrees Awarded With Highest Distinction

Barbara Smithers Bono	Sherry Jill Marcus
Mary Helen Bullington	Mary Kay McCaw
Jan Susan Carp	Elliott Matthew Mincberg
Thomas Stephen Dyer	John Patrick Morrison
Marc Gary	Sandra Marie Schlesinger
Gustav Edward Glick	Janet Carol Shambaugh
Robin Ellen Goodkin	Alan Mitchell Shorofsky
Lisa Robbin Grossman	Jean Ellen Slater
Michael Frank Kush	William Scott Towne

Degrees Awarded With Distinction

Frances Catherine Andriacchi	Robert Lee Nelson
Alan Stuart Berger	Terry Anne O'Neill
David Michael Carter	Jack Steven Pierce
John Michael Felzan	Lorry Glen Rubin
Janice Laurie Gilden	Sindee Anne Rubin
Betty Jane Hamilton	Janet Deborah Slavin
Heide Rachel Holmberg	Stephanie Suzanne Smith
Gary Warren Ketter	Andrew Michael Suhy
Richard Van Marter Krotseng	Henry Alexander Warchall
Ashton Robinson Lee	Sheila Faith Weiss
Susan Robin Leon	Edward Martin Zabrek
Mary Grace Meirose-Oppenheim	Sheldon Toby Zenner

BACHELOR OF PHILOSOPHY

Degrees Awarded With Highest Distinction

Irene Gorvitz	Doris Waller
---------------	--------------

Degrees Awarded With Distinction

Carol Lee Fishel	Barbara Ann Zeiler
Helen Sandra Salomon	

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

DEPARTMENTAL HONORS

ART

Fred Annes

ART HISTORY

Nancy Curry Bavor
Clementina Virgin Durkes
Susan Solway

BIOLOGICAL SCIENCES

Michele Ann Bene
David Aaron Birnbaum
Susan Marie Forrest
Alfredo Guevara
Barbara Jane Levine
Jack Steven Pierce
Alan Mitchell Shorofsky
Robert Jon Weingarten

CHEMISTRY

Jozef Bicerano
Renee Carol Demers
Richard Gary Fisher
Edward Bruce Fliesher
Jeffrey K. Glenn
Charles Michael Lombard
Bruce Irwin Rosen

CLASSICS

Marilyn Anne Henderson

ECONOMICS

Mary Helen Bullington
Mark Robert Cronin
John Michael Felzan
Debra Lee Goldstein
Alan Matthew Leventhal
Lawrence Willard Raz
Demetri James Retson
John Michael Segredo

ENGLISH

Claude William Appel
David Michael Carter
Stephanie Stairs Cooke
Patricia O'Brien Ensworth
Denice Anne Guarino
Kevin Michael Maloney
Sherry Jill Marcus
Mary Kay McCaw
Joan Regina Riley
Karen Lee Shalowitz
Andrew Michael Suhy
Susan Ellen Swanson

GEOLOGICAL SCIENCES

Frank Steve Schilt

HISTORY

Barbara Smithers Bono
John Cheney
Susan Robin Leon
David Joseph Ryan
Elliott Matthew Minberg
Catherine Scott

HISTORY AND LITERATURE OF RELIGIONS

Bruce Harold Dickstein

MATHEMATICS

Gary Mitchell Lieberman

PHILOSOPHY

Randy Evan Barnett
Cheryl Hause Calhoun
Constance Lee Rakowsky

POLITICAL SCIENCE

Robert Fairbanks Bride
Patricia Helen Char
Judith Ann Cowen
Jerry Arnold Esrig
Amy Joan Franklin
Richard Theodore Greenberg
Sara Elizabeth Johnson
Susan Myra Kersten
Robert Harold Lande
Susan Elaine Rollins
Sheldon Toby Zenner

PSYCHOLOGY

Frances Catherine Andriacchi
Bernard Arthur Binder
Jan Susan Carp
Yvonne Marie de Cuir
Robin Ellen Goodkin
Lisa Robbin Grossman
Alan Scott Lert
Catherine Anne Roy
Kathleen Mary Ryan
Jean Ellen Slater
Stephanie Suzanne Smith
William Scott Towne

SLAVIC LANGUAGES & LITERATURES

Stephen Pelletier
Deborah Fran Silver

SOCIOLOGY

Alan Stuart Berger
Mark Thomas Brown
Joel Marc Greenfield
Robert Lee Nelson
Gayle Harvie Sirkin

NORTHWESTERN UNIVERSITY

THE SCHOOL OF LAW

ORDER OF THE COIF

Henry Rigel Barber
Theodore Michaelson Becker
Leonard Ray Benjamin
Patricia Anne Brandin
Gladys Norma Bryer
Roger Joseph Dennis
Glenn Richard Drury
JoAnne Urban Ganobcik
Richard Henry Gordin
Robert David Hall, Jr.

Michael Fred Hertz
James Halleck Hoeland
Cary Jay Malkin
Sydney Bosworth McDole
Arthur James McGivern
Charles Robert McKirdy
Joseph Wayne Sheyka
Robert Alan Subkowsky
Roy Albert Wentz III

THE SCHOOL OF SPEECH

Degrees Awarded With Highest Distinction

Stuart Neil Brotman
Ronald Louis Marmer

Cynthia Jane Morse
Sarah Rose Wolff

Degrees Awarded With Distinction

Philip Aaron Goldberg
Kathryn Jean Hagen
Karen Susan Jacob
Steven Keith Jacobson

Jovita Martin
Connie Sue Meyer
Julia Ann Molander

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

THE SCHOOL OF MUSIC

FREDRIK K. CHRAMEB AWARDS FOR EXCELLENCE IN OPERA: David Beatty, Lynn Berg, Lethia Bryant, Carol Cannon, Larry Cooper, Marion Dry, Frederick Frey, Rose Johnson, Arvid Knutsen, Linda Nichols, Jerome Padorr, Karen Ragle, Bruce Schoonmaker, Ellen Stanley, Dennis Wadsworth

WILLIAM T. FARICY AWARD FOR CREATIVE MUSIC: Kurt Westerberg

WADE FETZER AWARD FOR EXCELLENCE IN PERFORMANCE: Janet Ferguson

JANE HAMILTON FISK SCHOLARSHIP: Joseph Warner

AMELIA A. HOFF MEMORIAL AWARD: Valetta Fellenbaum

ANNA SCHAUFFLER LOCKWOOD AWARD FOR EXCELLENCE IN STRING MUSIC:
David Chickering

GEORGIE PATTERSON OWEN SCHOLARSHIPS: Laura Deming, Jonathan Jensen, Arnold Roth

LOUIS SUDLER AWARD FOR EXCELLENCE IN THE ART OF ORATORIO SINGING:
Jann Jaffe, Kurt Hansen

PI KAPPA LAMBDA

Cecil Adams	Jann Jaffe
Lee Anders	Valerie Johnson
Sheldon Atovsky	Philip Kraus
Kim Beamon	Louis Magor
Marcia Bosits	Janis Mattox
David Chickering	Craig Pollock
Kurt Dietrich	Robert Reeves
Valetta Fellenbaum	Carol Lynn Roseberry
Janet Ferguson	*Lannie Rubin
Jerome Fuller	Bruce Schoonmaker
Kay Gfeller	Debra Smith
James Gibson	Harlan Snow
Sue McGehee Gilvin	Margaret Telscher
Joseph Giunta	Judith Tuhy
Myra Griffith	Edward Turley
Casey Hendler	Bruce Vanderwalk
Harvey Hunt	Joseph Warner

Degree Awarded With Highest Distinction

William Nathan Rothstein

Degrees Awarded With Distinction

Ruth Hung Cooperrider
Christine Audrey Marshall

Edward Lloyd Turley
Richard Russell Webster

*Elected during junior year

NORTHWESTERN UNIVERSITY

THE GRADUATE SCHOOL
OF MANAGEMENT

DISTINGUISHED SCHOLARS

Day Program

†*Stephen Charles Gregory

†*Mark Thomas Lambert

THE MEDILL SCHOOL OF JOURNALISM

MASTER OF SCIENCE IN JOURNALISM

Degrees Awarded With Highest Distinction

Peter Applebome
Bruce Joel Evensen

Sidney Charles Liebenson

Degrees Awarded With Distinction

Andrew Bashaw Davis
Stuart Jay Elliott
Jane Linda Horwitz
William Stanley Kaczor

Eileen Marie Koontz
Sylvia Gail Lewis
Stephen Edward Okino

BACHELOR OF SCIENCE IN JOURNALISM

Degrees Awarded With Highest Distinction

Thomas Joel Collier

Ann Harriet Silverberg

Degrees Awarded With Distinction

Robert Alan Feren
Louise Barasch Gersen
Michael Bruce Hyman

Gay Ann Pettinato
John Edward Stewart

**With distinction*

†*Beta Gamma Sigma*

ONE HUNDRED AND SIXTEENTH COMMENCEMENT

THE TECHNOLOGICAL INSTITUTE

OID W. ESHBACH AWARD: John W. Blieszner

NORTHWESTERN UNIVERSITY TECHNOLOGICAL INSTITUTE ALUMNI AWARD:
Darryl Seth Weiman

DEPARTMENTAL HONORS

BIOMEDICAL ENGINEERING

James Tilford Elder
Lawrence Vincent Gratkins
Gregory Jerome Jurkovich
Tom C. Krejcie

SCIENCE ENGINEERING

Michael Arthur Krammen
Mark R. Kulwich

CHEMICAL ENGINEERING

Anthony Luk Cheng Hung
Constance Jean Knope
Robert William Peters
Alan Zagoria

TAU BETA PI

John W. Blieszner
Richard Kenneth Cardwell
John William Dayton
Osman Turgay Durak
James Tilford Elder
Lawrence Vincent Gratkins
Linda Dean Jernigan
Gregory Jerome Jurkovich
Constance Jean Knope

Tom C. Krejcie
Wilfried A. Puscher
Robert Allen Rifkin
Chun-Fai So
Yuen Tat So
Vivekanandan Vijayaraghavan
Darryl Seth Weiman
James R. Zagel

ETA KAPPA NU

Lawrence S. Alongi
Michael F. Barnes
Michael Frank Burke
Milton M. Kokubun
Wilfried A. Puscher

Edgar Charles Reihl
Chun-Fai So
Yuen Tat So
Vivekanandan Vijayaraghavan
James R. Zagel

PI TAU SIGMA

Osman Turgay Durak

David E. Winnes

Degrees Awarded With Highest Distinction

James Tilford Elder
Robert Allen Rifkin

Chun-Fai So
Yuen Tat So

Degrees Awarded With Distinction

Lawrence Vincent Gratkins
Gregory Jerome Jurkovich
Michael Arthur Krammen
Tom C. Krejcie
Mark R. Kulwich
Paul Thomas Noble

Gazel Manette Tan
Vivekanandan Vijayaraghavan
Gregg Walter Walla
James R. Zagel
Kenneth John Zdunek

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THE CAP AND GOWN

The cap and gown are worn by each participant in the Commencement exercises. The cap is worn throughout the ceremonies, except that men remove their academic caps for the National Anthem, the Invocation, and the Benediction. The tassel colors, which indicate the different Schools and departments, are as follows:

Graduate	<i>Black</i>	Graduate School of Management ..	<i>Acorn</i>
Arts and Sciences	<i>White</i>	Speech	<i>Silver Gray</i>
Medical	<i>Green</i>	Education	<i>Light Blue</i>
Law	<i>Purple</i>	Journalism	<i>Crimson</i>
Dental	<i>Lilac</i>	Technological Institute	<i>Orange</i>
Music	<i>Pink</i>	Traffic Institute	<i>Acorn and White</i>

